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PRINCIPAL INVESTIGATOR: J. Andrew Berglund

CONTRACTING ORGANIZATION: University of Oregon

Eugene, OR 97403

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INTRODUCTION

Recently, several small molecules have been shown to bind RNA elements (riboswitches) in many different organisms. These riboswitches regulate fundamental cellular processes such as transcription, splicing and translation [reviewed in (1, 2)]. We propose that estrogen, which regulates transcription through interactions with the estrogen receptors [reviewed in (3, 4)], also functions by interacting directly with RNA to alter RNA processing events such as splicing, mRNA turnover or translational control. We plan to isolate and sequence RNAs bound to estrogen. Then determine if estrogen directly affects the processing or translation of RNAs containing these newly identified sites.

BODY

Our statement of work was organized under one task and divided into three subtasks. We have accomplished subtask 1a using two different methods and the results from this subtask made it challenging to continue to subtask 1b and 1c. The accomplishment of subtask 1a did lead to the development of new syntheses for small molecules and RNA purifications for small molecule binding. These techniques will be used for future studies.

Task 1: Identification of RNAs regulated by estrogen Subtask 1a: Isolation and sequencing of RNAs bound to estrogen.

During the early stages of experimentation we discovered that there was an unacceptably high level of non-specific binding to the estrogen beads. It was essential to optimize this step of the process otherwise the background signal would overwhelm the estrogen related signal. We were able to reduce the levels of non-specific binding by incorporating the use of blocking additives (*e.g.* heparin and non-ionic detergents) and by using specific salt washes. We are now able to remove nearly 98% of the total polyA RNA from the cellular extracts.

The second setback was that once we were ready to sequence the isolated RNA using the Illumina high-throughput sequencing platform, the single machine in our sequencing facility was providing data with unacceptable error rates. After struggling with this issue for a few months, we decided to use the alternative technology of microarrays to identify RNAs bound by estrogen. This summer our sequencing facility has added a second Illumina machine and both machines are currently producing excellent data so we plan to use this technology in addition to the micro-array technology discussed below.

The RNAs isolated from the estrogen beads were sent to the microarray facility at Oregon Health & Science (OHSU Gene Microarray Shared Resource). Over 1000 transcripts (see appendix for list of RNAs) were identified that were enriched greater than 3-fold compared to the unbound RNA. The enrichment peaked at 34-fold. The enriched RNAs are those shown in red in figure 1 and listed in table 1 ranked based on enrichment. Those at the top of our list are the highest priority and will be investigated in Subtask 1b. To further help focus our studies we are in the process of preparing RNA samples from the estrogen beads for high throughput

sequencing. RNAs found enriched using both technology platforms will be the focus of our continued studies.

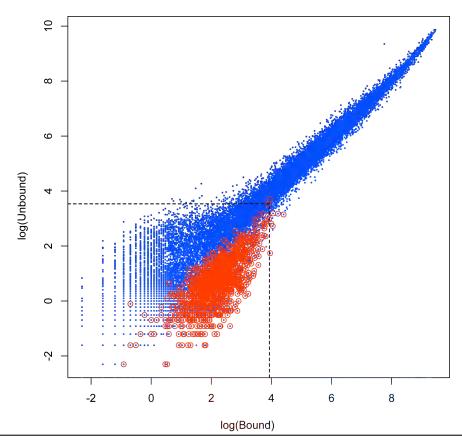


Figure 1. Estrogen bound RNAs plotted versus unbound RNA obtained from the microarray data. The circled red data points represent the 5% most enriched RNAs.

Our analysis of the estrogen bound RNAs revealed that these RNAs are enriched in mRNAs encoding membrane proteins, specifically receptors, and mRNAs with high levels of sequence variants. The latter is interpreted as genes with high levels of alternative splicing. The identification of receptors as possible estrogen targets is intriguing because these proteins are important for signaling pathways and are implicated in many cancers including breast cancer. Further analysis is being done to determine if any of these estrogen bound transcripts are involved in estrogen biosynthesis. This result would suggest that estrogen might act to regulate the splicing of mRNAs to modulate the levels of estrogen by controlling the enzyme levels in the biosynthetic pathway.

Recently (during the no-cost extension period of 8/1/2010 to 7/31/2011) we sequenced over 5 million RNAs that were bound to estrogen using the Illumina high throughput sequencing technology. Unfortunately this experiment only resulted in sequences from the control portions of the RNA/DNA molecules and no sequences from the cellular RNA. This experiment will be performed again.

Subtask 1b: Determine if estrogen affects RNA processing or translation of the newly identified RNA targets.

The analysis of the microarray data suggests that estrogen regulates pre-mRNA splicing. We plan to confirm this result with the high throughput RNA sequencing data and use the combined data sets to winnow down the RNAs for the purposed splicing assays. The splicing assays will be performed using gene-specific primers and will be done in the presence and absence of estrogen and in cells lacking expressed estrogen receptors. This last experiment is important for determining if estrogen is acting directly at the level of RNA versus through its receptors.

Subtask 1c: Biochemical characterization of estrogen-RNA complexes.

This subtask will be completed after subtask 1b has provided RNAs for these studies.

KEY RESEARCH ACCOMPLISHMENTS

- Synthesized biotin estradiol compounds that were used to significantly decrease background RNA binding to the beads.
- Optimized experimental conditions for RNA binding to estrogen beads.
- Identified Estrogen binding RNAs using microarray platform.
- Analysis of microarray data revealed a significant bias of the estrogen binding RNAs for genes encoding membrane proteins and genes with high levels of sequence variants.
- The association with high levels of sequence variants suggests estrogen interacts with RNAs that are highly alternatively spliced.

REPORTABLE OUTCOMES

This award supported Paul Barber's research and he recently graduated (Spring 2010) from the University of Oregon with a masters degree in Chemistry. Paul is currently in Law School. Julien Diegel supported as research assistant during the no-cost extension period garnered research experience that helped him gain admittance to medical school, which he recently began. The development of a protocol to minimize non-specific RNA binding to beads has allowed us to develop a new technology termed RNAselect, which is a high throughput method to rapidly determine the RNA binding specificity of a large number of RNA binding proteins. We presented our work at the Era of Hope 2011 meeting and gained valuable feedback and the PI (Berglund) was exposed to a focused Breast Cancer meeting for the first time.

CONCLUSION

A procedure to identify RNAs that bind estrogen has been established and this has lead to the identification of more than 1000 possible RNA estrogen targets using the microarray technology platform. This list of estrogen targets is enriched in membrane receptors including many implicated in cancer. Although we did achieve all of our subtasks in this high-risk study, we did generate exciting new technology that we and others will be using to characterize RNA – small molecule interactions.

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- 3. W. J. Welboren, H. G. Stunnenberg, F. C. Sweep, P. N. Span, *Mol Oncol* **1**, 138 (Sep, 2007).
- 4. R. O'Lone, M. C. Frith, E. K. Karlsson, U. Hansen, *Mol Endocrinol* **18**, 1859 (Aug, 2004).

probeID	Symbol	Gene Description	Bound Vs UnBound
2 07075_at	NLRP3	NLR family, pyrin domain containing 3	34.3
210354_at	IFNG	interferon, gamma	29.86
219936_s_at	Gpr87	G protein-coupled receptor 87	25.99
207736_s_at 210035_s_at	TNP2 SNORA66	transition protein 2 (during histone to protamine replacement)	25.99
205888 s at	JAKMIP2	small nucleolar RNA, H/ACA box 66 Janus kinase and microtubule interacting protein 2	24.25 24.25
215259_s_at	cadm4	cell adhesion molecule 4	22.63
212768_s_at	OLFM4	olfactomedin 4	22.63
211836_s_at	Mog	myelin oligodendrocyte glycoprotein	22.63
206246_at	Pfkfb4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	22.63
220345_at	LRRTM4	leucine rich repeat transmembrane neuronal 4	21.11
215046_at	c2orf67	chromosome 2 open reading frame 67	21.11
206505_at 206084 at	UGT2B4 ptprr	UDP glucuronosyltransferase 2 family, polypeptide B4 protein tyrosine phosphatase, receptor type, R	21.11 21.11
221210_s_at	NPL	N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)	19.7
214745_at	PLCH1	phospholipase C, eta 1	19.7
219916_s_at	Rnf39	ring finger protein 39	19.7
220861_at	USP22	ubiquitin specific peptidase 22	19.7
205498_at	GHR	growth hormone receptor	19.7
206488_s_at	CD36	CD36 molecule (thrombospondin receptor)	19.7
208016_s_at	Agtr1	angiotensin II receptor, type 1	18.38
220832_at 205879_x_at	TLR8 RET	toll-like receptor 8 ret proto-oncogene	18.38
202898 at	sdc3	syndecan 3	17.15 17.15
208200 at	II1a	interleukin 1, alpha	17.15
204409_s_at	EIF1AY	eukaryotic translation initiation factor 1A, Y-linked	16
217465_at	NCKAP1	NCK-associated protein 1	16
220994_s_at	Stxbp6	syntaxin binding protein 6 (amisyn)	16
204138_s_at	mzf1	myeloid zinc finger 1	16
206719_at	SYNGR4	synaptogyrin 4	16
215573_at 209708 at	cat MOXD1	catalase	16 16
207175_at	ADIPOQ	monooxygenase, DBH-like 1 adiponectin, C1Q and collagen domain containing	16
220570_at	RETN	resistin	14.93
207374_at	plscr2	phospholipid scramblase 2	14.93
213898_at	RBM9	RNA binding motif protein 9	14.93
216056_at	CD44	CD44 molecule (Indian blood group)	14.93
222300_at	CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1	14.93
212939_at 206048_at	COL6A1 OVOL2	collagen, type VI, alpha 1 ovo-like 2 (Drosophila)	14.93 14.93
200046_at	OVOLZ	immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker);	14.93
216412_x_at	IGLV2-11	immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker); immunoglobulin lambda variable 1-40; immunoglobulin lambda variable 3-21; immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker)	
216412_x_at	IGLV1-40	immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker); immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker); immunoglobulin lambda variable 3-21; immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker)	14.93
216412 v ot	IGLV1-44	immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker); immunoglobulin lambda variable 1-44; immunoglobulin lambda variable 3-21; immunoglobulin lambda variable 3-21;	14.93
216412_x_at	IGEV 1-44	immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker) immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker); immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker); immunoglobulin lambda variable 3-21;	14.93
216412_x_at	IGL@	immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker) immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker); immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker);	14.93
216412_x_at	iglC1	immunoglobulin lambda variable 1-44; immunoglobulin lambda variable 3-21; immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker) limmunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker);	14.93
		immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker); immunoglobulin lambda variable 1-40; immunoglobulin lambda variable 3-21;	14.33
216412_x_at	iglC2	immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker) immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker); immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker);	14.93
216412_x_at	IGLV3-21	immunoglobulin lambda variable 1-40; immunoglobulin lambda variable 3-21; immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker)	

		immunoglobulin lambda variable 2-11; immunoglobulin lambda constant 2 (Kern-Oz- marker);	14.93
		immunoglobulin lambda variable 1-44; immunoglobulin lambda constant 1 (Mcg marker); immunoglobulin lambda variable 1-40; immunoglobulin lambda variable 3-21;	
216412 x at	IGLC3	immunoglobulin lambda locus; immunoglobulin lambda constant 3 (Kern-Oz+ marker)	
208894 at	HLA-DRA	major histocompatibility complex, class II, DR alpha	14.93
211362_s_at	Serpinb13	serpin peptidase inhibitor, clade B (ovalbumin), member 13	14.93
220625_s_at	ELF5	E74-like factor 5 (ets domain transcription factor)	14.93
213496_at	LPPR4	plasticity related gene 1	14.93
213267_at	dopey1	dopey family member 1	14.93
216753_at	Prkce	protein kinase C, epsilon	14.93
212531_at	Lcn2	lipocalin 2	14.93
209072_at	MBP	myelin basic protein	13.93
203434_s_at	MME	membrane metallo-endopeptidase	13.93
204924_at	TLR2	toll-like receptor 2	13.93
215522_at 211790_s_at	SORCS3 MLL2	sortilin-related VPS10 domain containing receptor 3	13.93
222211 x at	SCAND2	myeloid/lymphoid or mixed-lineage leukemia 2 SCAN domain containing 2 pseudogene	13.93 13.93
206902_s_at	exog	endo/exonuclease (5'-3'), endonuclease G-like	13.93
209925_at	Ocln	occludin pseudogene; occludin	13.93
209925_at	LOC647859	occludin pseudogene, occludin	13.93
211188_at	CD84	CD84 molecule	13.93
209816_at	ptch1	patched homolog 1 (Drosophila)	13
210000_s_at	Socs1	suppressor of cytokine signaling 1	13
206584_at	LY96	llymphocyte antigen 96	13
213895_at	emp1	epithelial membrane protein 1	13
215408_at	MYO1E	myosin IE	13
219750_at	tmem144	transmembrane protein 144	13
211991_s_at	hla-dpa1	major histocompatibility complex, class II, DP alpha 1	13
209629_s_at	NXT2	nuclear transport factor 2-like export factor 2	13
221466_at	P2RY4	pyrimidinergic receptor P2Y, G-protein coupled, 4	13
211479_s_at	htr2c	5-hydroxytryptamine (serotonin) receptor 2C	13
221325_at	KCNK13	potassium channel, subfamily K, member 13	13
206636_at	RASA2	RAS p21 protein activator 2	13
AFFX-DapX-	birA	Bifunctional protein birA	12.13
205814_at	GRM3	glutamate receptor, metabotropic 3	12.13
215654_at	BCAT2	branched chain aminotransferase 2, mitochondrial	12.13
210173_at	PTPRJ	protein tyrosine phosphatase, receptor type, J	12.13
209986_at	Ascl1	achaete-scute complex homolog 1 (Drosophila)	12.13
216787_at 217482 at	Fkbp1b znf609	FK506 binding protein 1B, 12.6 kDa	12.13
208981_at	PECAM1	zinc finger protein 609 platelet/endothelial cell adhesion molecule	12.13 12.13
210812 at	Xrcc4	X-ray repair complementing defective repair in Chinese hamster cells 4	12.13
202210_x_at	GSK3A	glycogen synthase kinase 3 alpha	12.13
216103_at	ACOT11	acyl-CoA thioesterase 11	12.13
210043_at	FRMD8	FERM domain containing 8	12.13
221608 at	WNT6	wingless-type MMTV integration site family, member 6	12.13
219434_at	Trem1	triggering receptor expressed on myeloid cells 1	11.31
214639_s_at	hoxa1	homeobox A1	11.31
215120_s_at	samd4a	sterile alpha motif domain containing 4A	11.31
216923_at	CDKL5	cyclin-dependent kinase-like 5	11.31
211533_at	pdgfra	platelet-derived growth factor receptor, alpha polypeptide	11.31
215485_s_at	ICAM1	intercellular adhesion molecule 1	11.31
214008_at	twf1	twinfilin, actin-binding protein, homolog 1 (Drosophila)	11.31
216435_at	Map2k5	mitogen-activated protein kinase kinase 5	11.31
215921_at	NPIPL1	nuclear pore complex interacting protein-like 1; olfactory receptor, family 51, subfamily A,	11.31
215921_at	OR51A4	nuclear pore complex interacting protein-like 1; olfactory receptor, family 51, subfamily A,	11.31
203563_at	AFAP1	actin filament associated protein 1	11.31
206900_x_at	ZNF253	zinc finger protein 253	11.31
214984_at	LOC440345	hypothetical protein LOC440345	11.31
213001_at 207430 s at	ANGPTL2 msmB	angiopoietin-like 2	11.31
207430_s_at 215563_s_at	MST1P9	microseminoprotein, beta- macrophage stimulating, pseudogene 9	11.31 10.56
220433_s_at	PRRG3		10.56
206058_at	SLC6A12	proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane) solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	10.56
208492_at	RFXAP	regulatory factor X-associated protein	10.56
207111_at	EMR1	legif-like module containing, mucin-like, hormone receptor-like 1	10.56
203923_s_at	CYBB	cytochrome b-245, beta polypeptide	10.56
206145_at	RHAG	Rh-associated glycoprotein	10.56
202953_at	C1QB	complement component 1, q subcomponent, B chain	10.56
200665_s_at	SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	10.56
208409_at	SLC14A2	solute carrier family 14 (urea transporter), member 2	10.56
220944_at	PGLYRP4	peptidoglycan recognition protein 4	10.56

203332_s_at	[Inpp5d	inositol polyphosphate-5-phosphatase, 145kDa	10.56
205363_at	BBOX1	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1	10.56
211555_s_at	gucy1b3	guanylate cyclase 1, soluble, beta 3	10.56
207267_s_at	DSCR6	Down syndrome critical region gene 6	10.56
204462_s_at	SLC16A2	solute carrier family 16, member 2 (monocarboxylic acid transporter 8)	10.56
217705_at	PRKD1		
		protein kinase D1	10.56
206177_s_at	arg1	arginase, liver	9.85
206930_at	Glyat	glycine-N-acyltransferase	9.85
219414_at	Clstn2	calsyntenin 2	9.85
217702_at	IL27RA	interleukin 27 receptor, alpha	9.85
221837_at	Klhl22	kelch-like 22 (Drosophila)	9.85
221468_at	Xcr1	chemokine (C motif) receptor 1	9.85
205121_at	SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)	9.85
220724_at	CWH43	hypothetical protein FLJ21511	9.85
221747_at	TNS1	tensin 1	9.85
210861_s_at	Wisp3	WNT1 inducible signaling pathway protein 3	9.85
211107_s_at	AURKC	aurora kinase C	9.85
213596 at	Casp4	caspase 4, apoptosis-related cysteine peptidase	9.85
215920_s_at	PDXDC2	pyridoxal-dependent decarboxylase domain containing 2	9.85
220454_s_at	SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	9.85
220087_at	bcmo1		
220001_at	DCITIO I	beta-carotene 15,15'-monooxygenase 1	9.85
007575	001 0405	golgi autoantigen, golgin subfamily a, 6C; golgi autoantigen, golgin subfamily a, 6	9.85
207575_at	GOLGA6D	pseudogene; golgi autoantigen, golgin subfamily a, 6D; golgi autoantigen, golgin subfamily a,	
		golgi autoantigen, golgin subfamily a, 6C; golgi autoantigen, golgin subfamily a, 6	9.85
207575_at	GOLGA6C	pseudogene; golgi autoantigen, golgin subfamily a, 6D; golgi autoantigen, golgin subfamily a,	
		golgi autoantigen, golgin subfamily a, 6C; golgi autoantigen, golgin subfamily a, 6	9.85
207575_at	LOC645752	pseudogene; golgi autoantigen, golgin subfamily a, 6D; golgi autoantigen, golgin subfamily a,	
		golgi autoantigen, golgin subfamily a, 6C; golgi autoantigen, golgin subfamily a, 6	9.85
207575 at	GOLGA6A	pseudogene; golgi autoantigen, golgin subfamily a, 6D; golgi autoantigen, golgin subfamily a,	
207464 at	AHCYL1	adenosylhomocysteinase-like 1	9.85
220133 at	odam	odontogenic, ameloblast asssociated	9.85
211844 s at	NRP2	neuropilin 2	9.85
216009 at	slc39a9	solute carrier family 39 (zinc transporter), member 9	9.85
213495_s_at	RRBP1	ribosome binding protein 1 homolog 180kDa (dog)	
204236 at			9.85
	fli1	Friend leukemia virus integration 1	9.85
207583_at	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	9.19
206440_at	Lin7a	lin-7 homolog A (C. elegans)	9.19
		hypothetical LOC100126583	9.19
217198_x_at	83		
222153_at	myef2	myelin expression factor 2	9.19
214284_s_at	FGF18	fibroblast growth factor 18	9.19
211587_x_at	CHRNA3	cholinergic receptor, nicotinic, alpha 3	9.19
211189_x_at	CD84	CD84 molecule	9.19
211249_at	GPR68	G protein-coupled receptor 68	9.19
210865_at	FASLG	Fas ligand (TNF superfamily, member 6)	9.19
219834 at	ALS2CR8	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 8	9.19
210420 at	SLC24A1	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	9.19
221130_s_at	Unc13b		
220472 at	ZCCHC4	unc-13 homolog B (C. elegans)	9.19
		zinc finger, CCHC domain containing 4	9.19
213498_at	CREB3L1	cAMP responsive element binding protein 3-like 1 HECT, UBA and WWE domain containing 1	9.19
208599_at		THECT LIBA and WWE domain containing 1	9.19
	HUWE1		
207993_s_at	Chp	calcium binding protein P22	9.19
207993_s_at 215578_at	Chp GPHN	calcium binding protein P22 gephyrin	9.19 9.19
207993_s_at 215578_at 214932_at	Chp GPHN KIDINS220	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa	9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at	Chp GPHN	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase	9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at	Chp GPHN KIDINS220 pah serpinb4	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa	9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at	Chp GPHN KIDINS220 pah	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase	9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at	Chp GPHN KIDINS220 pah serpinb4	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1	9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at	Chp GPHN KIDINS220 pah serpinb4 CDX1	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor	9.19 9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 206311_s_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas)	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 208570_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 206311_s_at 208570_at 208090_s_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57
207993_s_at 215578_at 214932_at 205719_s_at 2011906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 208570_at 208090_s_at 215231_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 206311_s_at 208570_at 208090_s_at 215231_at 203571_s_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 C10orf116	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.57 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 206311_s_at 208570_at 208570_at 208570_at 203571_s_at 205430_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 C10orf116 BMP5	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116 bone morphogenetic protein 5	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 214926_at 202965_s_at 208370_at 208570_at 208570_at 208570_at 203571_s_at 205430_at 205430_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 C100f116 BMP5 GRM8	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116 bone morphogenetic protein 5 glutamate receptor, metabotropic 8	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 214926_at 202965_s_at 208570_at 208570_at 208570_at 208570_at 208571_s_at 205430_at 205430_at 205430_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 CT10orf116 BMP5 GRM8 Jak2	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116 bone morphogenetic protein 5 glutamate receptor, metabotropic 8 Janus kinase 2	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57 8.57 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 214926_at 202965_s_at 208311_s_at 208570_at 208570_at 205231_at 205371_s_at 205430_at 205430_at 205430_at 205430_at 205430_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 C10orf116 BMP5 GRM8 Jak2 ESR2	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116 bone morphogenetic protein 5 glutamate receptor, metabotropic 8 Janus kinase 2 estrogen receptor 2 (ER beta)	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 206430_at 204753_s_at 213068_at 214926_at 202965_s_at 208570_at 208090_s_at 215231_at 205430_at 205430_at 20555_s_at 205430_at 205841_at 205841_at 2011119_at 209131_s_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 C10orf116 BMP5 GRM8 Jak2 ESR2 snap23	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116 bone morphogenetic protein 5 glutamate receptor, metabotropic 8 Janus kinase 2	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57 8.57 8.57 8.57
207993_s_at 215578_at 214932_at 205719_s_at 211906_s_at 204753_s_at 213068_at 214926_at 202965_s_at 208570_at 208570_at 208571_s_at 203571_s_at 205430_at 216255_s_at 205841_at 211119_at	Chp GPHN KIDINS220 pah serpinb4 CDX1 HLF Dpt SPTAN1 CAPN6 PLA2G1B Wnt1 AIRE PRKAG2 C10orf116 BMP5 GRM8 Jak2 ESR2	calcium binding protein P22 gephyrin kinase D-interacting substrate, 220kDa phenylalanine hydroxylase serpin peptidase inhibitor, clade B (ovalbumin), member 4 caudal type homeobox 1 hepatic leukemia factor dermatopontin spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) calpain 6 phospholipase A2, group IB (pancreas) wingless-type MMTV integration site family, member 1 autoimmune regulator protein kinase, AMP-activated, gamma 2 non-catalytic subunit chromosome 10 open reading frame 116 bone morphogenetic protein 5 glutamate receptor, metabotropic 8 Janus kinase 2 estrogen receptor 2 (ER beta)	9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 9.19 8.57 8.57 8.57 8.57 8.57 8.57

1200074 a at	Ifam 107a	It will be a second of the sec	0.57
209074_s_at	fam107a	family with sequence similarity 107, member A	8.57
202790_at	cldn7	claudin 7	8.57
207217_s_at	NOX1	NADPH oxidase 1	8.57
210518_at	CDH8	cadherin 8, type 2	8.57
219263_at	RNF128	ring finger protein 128	8.57
216926_s_at	KIAA0892	KIAA0892	8.57
208366_at	PCDH11X	protocadherin 11 X-linked	8.57
221392_at	TAS2R4	taste receptor, type 2, member 4	8.57
210615 at	NRP1	neuropilin 1	8.57
202747_s_at	Itm2a	integral membrane protein 2A	8.57
219606 at	PHF20L1	PHD finger protein 20-like 1	8.57
220111_s_at	ano2	anoctamin 2	8.57
205175_s_at	Khk		
	CD93	ketohexokinase (fructokinase)	8.57
202878_s_at		CD93 molecule	8.57
216513_at	dct	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	8.57
208017_s_at	MCF2	MCF.2 cell line derived transforming sequence	8.57
210056_at	RND1	Rho family GTPase 1	8.57
215005_at	Necab2	N-terminal EF-hand calcium binding protein 2	8.57
216689_x_at	ARHGAP1	Rho GTPase activating protein 1	8
203969_at	pex3	peroxisomal biogenesis factor 3	8
206990 at	TNR	tenascin R (restrictin, janusin)	8
213299 at	ZBTB7A	zinc finger and BTB domain containing 7A	8
216764 at	COMMD1	copper metabolism (Murr1) domain containing 1	8
210279 at	gpr18	G protein-coupled receptor 18	8
215164_at	TCF4	transcription factor 4	8
214282_at	CP		
	RPA4	ceruloplasmin (ferroxidase)	8
221143_at	GPR32	replication protein A4, 34kDa	8
221469_at		G protein-coupled receptor 32	8
206570_s_at	PSG11	pregnancy specific beta-1-glycoprotein 11	8
214906_x_at	N4BP2L1	NEDD4 binding protein 2-like 1	8
216330_s_at	POU6F1	POU class 6 homeobox 1	8
211079_s_at	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	8
216684_s_at	SS18	synovial sarcoma translocation, chromosome 18	8
221594_at	c7orf64	chromosome 7 open reading frame 64	8
220519_s_at	LIM2	lens intrinsic membrane protein 2, 19kDa	8
207204 at	FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	8
207315 at	CD226	CD226 molecule	8
218994_s_at	STAG3L4	stromal antigen 3-like 4	8
207226 at	HIST1H2BN	histone cluster 1, H2bn	8
211174_s_at	CCKAR	cholecystokinin A receptor	8
219813_at	lats1	LATS, large tumor suppressor, homolog 1 (Drosophila)	8
220338_at	ralgps2	Ral GEF with PH domain and SH3 binding motif 2	8
216386_at	Dok1	docking protein 1-like protein; docking protein 1, 62kDa (downstream of tyrosine kinase 1)	8
216386_at	LOC220077	docking protein 1-like protein; docking protein 1, 62kDa (downstream of tyrosine kinase 1)	8
210806_at	TTLL5	tubulin tyrosine ligase-like family, member 5	8
202063_s_at	SEL1L	sel-1 suppressor of lin-12-like (C. elegans)	8
214852_x_at	VPS13A	vacuolar protein sorting 13 homolog A (S. cerevisiae)	8
220045 at	NEUROD6	neurogenic differentiation 6	7.46
220710 at	C15orf28	chromosome 15 open reading frame 28	7.46
216482 x at	ZNF79	zinc finger protein 79	7.46
207135_at	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	7.46
214365_at	TPM3	tropomyosin 3	7.46
205652_s_at	ttll1	tubulin tyrosine ligase-like family, member 1	
205052_s_at 205262_at	kcnh2		7.46
		potassium voltage-gated channel, subfamily H (eag-related), member 2	7.46
220360_at	THAP9	THAP domain containing 9	7.46
207581_s_at	MAGEB4	melanoma antigen family B, 4	7.46
217373_x_at	mdm2	Mdm2 p53 binding protein homolog (mouse)	7.46
214945_at	FAM153B	family with sequence similarity 153, member B	7.46
221956_at	LRCH4	leucine-rich repeats and calponin homology (CH) domain containing 4	7.46
208582_s_at	DUX5	double homeobox, 5	7.46
208386_x_at	dmc1	DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination	7.46
210551_s_at	Asmt	acetylserotonin O-methyltransferase	7.46
206872_at	Slc17a1	solute carrier family 17 (sodium phosphate), member 1	7.46
219535_at	Hunk	hormonally up-regulated Neu-associated kinase	7.46
206904_at	MATN1	matrilin 1, cartilage matrix protein	7.46
207359_at	camkk2	calcium/calmodulin-dependent protein kinase kinase 2, beta	7.46
215570_s_at	ZNF780B	zinc finger protein 780B	7.46
217097_s_at	phtf2	putative homeodomain transcription factor 2	7.46
214667_s_at	tp53i11	tumor protein p53 inducible protein 11	7.46
	1	ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 16; ribosomal protein	7.46
		L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal	
	10017000	Invotain I 7 nagudagana 24. ribagamal protein I 7 nagudagana 20	
216588_at	RPL7P20	protein L7 pseudogene 24; ribosomal protein L7 pseudogene 20	

216568, at RPLT protein LT pseudogene 24, ribosomal protein LT pseudogene 20 (hibosomal protein LT pseudogene 23) (hibosomal protein LT pseudogene 23) (hibosomal protein LT pseudogene 23) (hibosomal protein LT) (hibosomal protein			ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 16; ribosomal protein L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal	7.46
17. ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 25; ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 27; ribosomal protein L7 pseudogene 28; ribosomal protein L7 pse	216588_at	RPL7	protein L7 pseudogene 24; ribosomal protein L7 pseudogene 20	7 /6
17, ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 28; ribosomal protein L7 pse	216588_at	RPL7P32	L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 20	
L?r, ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 25; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 25; ribosomal protein L7 pseudogene 25; ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 27; ribosomal protein L7 pseudogene 28; ribosomal protein L7 pseudogene 28; ribosomal protein L7 pseudogene 28; ribosomal protein L7 pseudogene 29; ribosomal protein L7 pseu	216588_at	RPL7P24	L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal	7.46
Inbosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 16; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 25; ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 27; ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudogene 23; ribosomal protein L7 pseudogene 24; ribosomal protein L7 pseudog	216588 at	RPL7P23	L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal	7.46
Disposation Total Disp		RPI 7P26	ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 16; ribosomal protein L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal	7.46
alcohol dehydrogenase 18 (class I), beta polypeptide; alcohol dehydrogenase 14 (class I), and alpha polypeptide; alcohol dehydrogenase (class I), amma polypeptide alcohol dehydrogenase (class I), amma polypeptide; alcohol dehydrogenase (class II), amma polypeptide; alcohologene; immunoglobulin heavy variable 3-7; immunoglobulin heavy variable 3			ribosomal protein L7 pseudogene 26; ribosomal protein L7 pseudogene 16; ribosomal protein L7; ribosomal protein L7 pseudogene 32; ribosomal protein L7 pseudogene 23; ribosomal	7.46
alcohol dehydrogenase 18 (class I), beta polypeptide; alcohol dehydrogenase 1A (class I), and alpha polypeptide; alcohol dehydrogenase (Class I), amma polypeptide alcohol dehydrogenase (Class I), amma polypeptide; alcohol dehydrogenase (Class I), amma polypeptide; alcohol dehydrogenase (Class I), amma polypeptide (Class I), amma polypeptide; alcohol dehydrogenase (Class I), amma polypeptide (Class I), amma polypeptide; alcohol dehydrogenase (Class I), amma polypeptide (Class I), amma polypeptide; alcohol dehydrogenase (Class II), amma polypetide; alcoholol in heavy variable 3-1; immunoglobulin heavy vari	209612_s_at		alcohol dehydrogenase 1B (class I), beta polypeptide; alcohol dehydrogenase 1A (class I),	7.46
ADH1A alpha polypeptide; alcohol dehydrogenase 1C (class I), gamma polypeptide AFRX-TrpnX, trpD Anthranilate phosphoribosyltransferase Z27100_at Z	 209612_s_at		alcohol dehydrogenase 1B (class I), beta polypeptide; alcohol dehydrogenase 1A (class I), alpha polypeptide; alcohol dehydrogenase 1C (class I), gamma polypeptide	
229797 s. az Cep68 centrosoma 6 open reading frame 15 7.46 207660_at Cep68_centrosomal protein 68kDa 7.46 207660_at Cen68_centrosomal protein 68kDa 7.46 207660_at Cen68_cen68_	209612_s_at		alpha polypeptide; alcohol dehydrogenase 1C (class I), gamma polypeptide	
207971 s. at Cep68 centrosomal protein 68kDa (207660_at) dmd dystrophin (7.46 minmunoglobulin heavy constant gamma 1 (G/m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G/m marker); immunoglobulin heavy variable 3-8; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3				
216892_at IGHV3-7 IGHV3-11 (GHV3-11 (G				
Immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant my; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-13; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-13				
mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-17; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-17; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11; immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy variable 3-11; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy variable 3-11; immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy variable 3-11; immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant	207660_at	ama		
immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant qamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant qamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant qamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant qamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant qamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11 (gene/p			mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m	7.46
mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-17; immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy variable 3-17; immunoglobulin heavy constant gamma 1 (g1m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-17; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-17; immunoglobulin heavy variable 3-18 (GH@ variable 4-31; immunoglobulin heavy variable 3-19; immuno	216892_at	IGHV3-11		
mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-31; immunoglobulin heavy variable 3-31 (gene/pseudogene); immunoglobulin heavy variable 3-31; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11 (ge	216892_at	IGHV3-7	mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy locus	7.46
immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11	216802 at	ICHC3	immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy	7.46
216892_at Ighg1	210092_at	101103	immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m	7.46
immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 3-12 (gene/pseudogene); immunoglobulin heavy variable 3-13 (gene/pseudogene); immunoglobulin heav	216892_at	lghg1		
mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable	216892_at	IGH@	mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy locus	7.46
immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy variable 4-31; immunoglobulin heavy locus 205392_s_at	216892 at	IGHM	immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy	7.46
205392_s_at CCL14 chemokine (C-C motif) ligand 14; chemokine (C-C motif) ligand 15 205392_s_at CCL15 chemokine (C-C motif) ligand 14; chemokine (C-C motif) ligand 15 204055_s_at CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; 204055_s_at Ctage5 CTAGE family, member 5 204055_s_at CTAGE family, member 5 CTAGE family pember 5 CTAGE family			immunoglobulin heavy constant gamma 1 (G1m marker); immunoglobulin heavy constant mu; immunoglobulin heavy variable 3-7; immunoglobulin heavy constant gamma 3 (G3m marker); immunoglobulin heavy variable 3-11 (gene/pseudogene); immunoglobulin heavy	7.46
204055_s_at CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 ctage5 ctage5 ctage5 ctage5 ctage5 ctage5 ctage5 ctage5 ctage6 ctage6 ctage7 ctage6 family, member 5 ctage7 ctage6 family, member 5 ctage8 c				
CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE4 CTAGE family, member 5 CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 CTAGE family member; CTAGE family, member 4; 7.46 CTAGE family, member 5 CTAGE family member; CTAGE family member; CTAGE family, member 4; 7.46 CTAGE family, member 5 CTAGE family, member 5 CTAGE family member; CTAGE family member 4; 7.46 CTAGE family member 5 CTA				
CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 CTAGE family, member 4; CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 4; CTAGE family, member 5 CTAGE family, member 5 CTAGE family member; CTAGE family, member 4; CTAGE family, member 5 CTAGE family, member 6 CTAGE family, member 5 CTAGE family, member 6 CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 6 CTAGE family, member 5 CTAGE family, member 6 CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 6 CTAGE family, member 7 .46 CTAGE family, member 5 CTAGE family, member 4; CTAGE family, member 4; CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 5 CTAGE family, member 5 CTAGE family member; CTAGE family, member 4; 7.46 CTAGE family, member 5 CTAGE family, member 5 CTAGE family member; CTAGE family member; CTAGE family, member 4; 7.46 CTAGE family, member 5 CTAGE family, member 5 CTAGE family member; CTAGE family member; CTAGE family member 4; 7.46 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE family member 5 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE family member 4; 7.46 CTAGE family member 5 CTAGE	205392_s_at 204055_s_at		CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4;	
204055_s_at LOC220429 CTAGE family, member 5 CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE9 CTAGE family, member 5 213960_at NTRK3 neurotrophic tyrosine kinase, receptor, type 3 203295_s_at Atp1a2 ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide 214635_at CLDN9 claudin 9 212292_at SLC7A1 solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 7.46	204055_s_at	Ctage5	CTAGE family, member 5 pseudogene; CTAGE family member; CTAGE family, member 4; CTAGE family, member 5	
204055_s_at CTAGE9 CTAGE family, member 5 213960_at NTRK3 neurotrophic tyrosine kinase, receptor, type 3 7.46 203295_s_at Atp1a2 ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide 7.46 214635_at CLDN9 claudin 9 7.46 212292_at SLC7A1 solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 7.46	204055_s_at	LOC220429	CTAGE family, member 5	
203295_s_at Atp1a2 ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide 7.46 214635_at CLDN9 claudin 9 7.46 212292_at SLC7A1 solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 7.46	204055_s_at		CTAGE family, member 5	
214635_at CLDN9 claudin 9 7.46 212292_at SLC7A1 solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 7.46				
212292_at SLC7A1 solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 7.46				
CLIBELLOS DE LOS DECENDADES DE CONTROLIDADES EL DESCRICTOR EL DECURIONA DE CONTROLIDADES DE	215083_at	LOC642395	paraspeckle component 1; paraspeckle protein 1 pseudogene	7.46

215083_at	IPSPC1	paraspeckle component 1; paraspeckle protein 1 pseudogene	7.46
211647_x_at	IGHV1-69	immunoglobulin heavy variable 1-69; similar to hCG1773549	7.46
211047_X_at		immunoglobulin heavy variable 1-69; similar to hCG1773549	7.46
211647_x_at	62	Illimitatioglobulii rieavy variable 1-09, sirillar to 1100 177 3349	7.40
219994 at	APBB1IP	amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein	7.46
216909_at	Rrp12	ribosomal RNA processing 12 homolog (S. cerevisiae)	7.46
216007_at	Clstn2	calsyntenin 2	7.46
214727_at	Brca2	breast cancer 2, early onset	7.46
215820_x_at	Snx13	sorting nexin 13	7.46
216763_at	KANK1	KN motif and ankyrin repeat domains 1; similar to ankyrin repeat domain protein 15 isoform b	7.46
216763_at	LOC647886	KN motif and ankyrin repeat domains 1; similar to ankyrin repeat domain protein 13 isoform b	7.46
204596_s_at	stc1	stanniocalcin 1	6.96
206455_s_at	rho	rhodopsin	6.96
214443 at	PVR	poliovirus receptor	6.96
212358_at	CLIP3	CAP-GLY domain containing linker protein 3	6.96
221409 at	OR2S2	olfactory receptor, family 2, subfamily S, member 2	6.96
210147_at	ART3	ADP-ribosyltransferase 3	6.96
210611_s_at	Dtna	dystrobrevin, alpha	6.96
206525_at	Gabrr1	gamma-aminobutyric acid (GABA) receptor, rho 1	6.96
203864_s_at	ACTN2	actinin, alpha 2	6.96
204213 at	PIGR	polymeric immunoglobulin receptor	6.96
215244_at	DGCR5	DiGeorge syndrome critical region gene 5 (non-protein coding)	6.96
205732 s at	Ncoa2		
	GLRA1	nuclear receptor coactivator 2	6.96
207972_at 213307_at	SHANK2	glycine receptor, alpha 1	6.96
204249_s_at	LMO2	SH3 and multiple ankyrin repeat domains 2 LIM domain only 2 (rhombotin-like 1)	6.96
210496 at	NAG18	NAG18 mRNA	6.96 6.96
220522_at	Crb1		
210261_at	KCNK2	crumbs homolog 1 (Drosophila) potassium channel, subfamily K, member 2	6.96 6.96
217081_at	OR2H2		
219106_s_at	KBTBD10	olfactory receptor, family 2, subfamily H, member 2	6.96 6.96
211131_s_at	eda	kelch repeat and BTB (POZ) domain containing 10 ectodysplasin A	6.96
208166_at	mmp16	matrix metallopeptidase 16 (membrane-inserted)	6.96
208286_x_at	pou5f1	POU class 5 homeobox 1	6.96
214834_at	PAR5		6.96
215258 at	cadm4	Prader-Willi/Angelman syndrome-5 cell adhesion molecule 4	6.96
206292_s_at	sult2a1		
200292_s_at	NRXN1	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1 neurexin 1	6.96 6.96
220672 at	PPP4R4		6.96
205295_at	ckmt2	protein phosphatase 4, regulatory subunit 4	
213597_s_at	Ctdspl	creatine kinase, mitochondrial 2 (sarcomeric) CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	6.96 6.96
211737_s_at	PTN		
205852_at	CDK5R2	pleiotrophin	6.96
208230_s_at	NRG1	cyclin-dependent kinase 5, regulatory subunit 2 (p39)	6.96 6.96
	MICAL2	microtubule associated monoxygenase, calponin and LIM domain containing 2	
206275_s_at 217517_x_at	SRPK2		6.96
21/31/_X_at	SKFK2	SFRS protein kinase 2 similar to hCG26659; immunoglobulin kappa constant; similar to lg kappa chain V-I region	6.96 6.96
0474F7 v ot	lako	1	0.90
217157_x_at	Igkc	HK102 precursor	0.00
047457 **	1.00050400	similar to hCG26659; immunoglobulin kappa constant; similar to lg kappa chain V-l region	6.96
217157_x_at	LOC652493	HK102 precursor	0.00
047457+	1.00050405	similar to hCG26659; immunoglobulin kappa constant; similar to lg kappa chain V-l region	6.96
217157_x_at	LOC650405	HK102 precursor	0.00
047457	LOC1001301	, , , , , , , , , , , , , , , , , , , ,	6.96
217157_x_at	00	HK102 precursor	0.00
216657_at	ATXN3	ataxin 3	6.96
207530_s_at	cdkn2b	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	6.96
214199_at	Sftpd	surfactant protein D	6.96
206779_s_at	Asmt	acetylserotonin O-methyltransferase	6.96
215398_at	Cdc73	cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	6.96
207155_at	tbx5	T-box 5	6.96
207526_s_at	IL1RL1	interleukin 1 receptor-like 1	6.96
208057_s_at	GLI2	GLI family zinc finger 2	6.5
206004_at	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	6.5
216370_s_at	TKTL1	transketolase-like 1	6.5
205316_at	Slc15a2	solute carrier family 15 (H+/peptide transporter), member 2	6.5
219895_at	fam70a	family with sequence similarity 70, member A	6.5
207172_s_at	CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	6.5
216184_s_at	RIMS1	regulating synaptic membrane exocytosis 1	6.5
210390_s_at	CCL14	chemokine (C-C motif) ligand 14; chemokine (C-C motif) ligand 15	6.5
210390_s_at	CCL15	chemokine (C-C motif) ligand 14; chemokine (C-C motif) ligand 15	6.5
		Fc fragment of IgG, low affinity Ilb, receptor (CD32); Fc fragment of IgG, low affinity Ilc,	6.5
210889_s_at	Fcgr2b	receptor for (CD32)	

210889_s_at	FCGR2C	Fc fragment of IgG, low affinity Ilb, receptor (CD32); Fc fragment of IgG, low affinity Ilc, receptor for (CD32)	6.5
207038_at	SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid transporter 7); similar to solute carrier family 16, member 6	6.5
207038_at	LOC440459	solute carrier family 16, member 6 (monocarboxylic acid transporter 7); similar to solute carrier family 16, member 6	6.5
219912_s_at	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	6.5
		sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4; sulfotransferase family,	6.5
222094_at	SULT1A3	cytosolic, 1A, phenol-preferring, member 3 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4; sulfotransferase family,	6.5
222094_at	SULT1A4	cytosolic, 1A, phenol-preferring, member 3	0.5
217362_x_at	HLA-DRB6	major histocompatibility complex, class II, DR beta 6 (pseudogene)	6.5
214775_at	N4BP3	Nedd4 binding protein 3	6.5
215796_at	TRAV13-2	T cell receptor alpha variable 13-2	6.5
205009 at	TFF1		
211798_x_at		trefoil factor 1	6.5
	IGLJ3	immunoglobulin lambda joining 3	6.5
39402_at	IL1B	interleukin 1, beta	6.5
217519_at	MACF1	microtubule-actin crosslinking factor 1	6.5
205563_at	KISS1	KiSS-1 metastasis-suppressor	6.5
213732_at	tcf3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	6.5
221284_s_at	Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	6.5
214175_x_at	PDLIM4	PDZ and LIM domain 4	6.5
		hypothetical protein LOC100134230; similar to KIAA0454 protein; similar to	6.5
209700_x_at	30	phosphodiesterase 4D interacting protein isoform 2; phosphodiesterase 4D interacting	0.5
		hypothetical protein LOC100134230; similar to KIAA0454 protein; similar to	6.5
209700_x_at	PDE4DIP	phosphodiesterase 4D interacting protein isoform 2; phosphodiesterase 4D interacting	0.0
	. 52 /511	hypothetical protein LOC100134230; similar to KIAA0454 protein; similar to	6.5
200700 v ot	1.00707007		0.5
209700_x_at	LOC727927	phosphodiesterase 4D interacting protein isoform 2; phosphodiesterase 4D interacting	
		hypothetical protein LOC100134230; similar to KIAA0454 protein; similar to	6.5
209700_x_at	LOC652164	phosphodiesterase 4D interacting protein isoform 2; phosphodiesterase 4D interacting	
221719_s_at	lzts1	leucine zipper, putative tumor suppressor 1	6.5
207229_at	KLRA1	killer cell lectin-like receptor subfamily A, member 1	6.5
222189 at	AMBRA1	autophagy/beclin-1 regulator 1	6.5
203369_x_at	Pdlim7	PDZ and LIM domain 7 (enigma)	6.5
214493_s_at	INADL	InaD-like (Drosophila)	6.5
221756_at	Pik3ip1	phosphoinositide-3-kinase interacting protein 1	6.5
221730_at			
221243_s_at	PRO1596	hypothetical LOC29013	6.5
209116_x_at	HBB	hemoglobin, beta	6.5
216595_at	DNAJC22	DnaJ (Hsp40) homolog, subfamily C, member 22	6.5
219236_at	PAQR6	progestin and adipoQ receptor family member VI	6.5
204199_at	RALGPS1	Ral GEF with PH domain and SH3 binding motif 1	6.5
210174_at	NR5A2	nuclear receptor subfamily 5, group A, member 2	6.5
201332_s_at	STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	6.5
221119_at	FLJ20184	hypothetical protein FLJ20184	6.5
216653_at	DR1	down-regulator of transcription 1, TBP-binding (negative cofactor 2)	6.5
204836_at	Gldc	glycine dehydrogenase (decarboxylating)	6.5
220348_at	KLHL29	kelch-like 29 (Drosophila)	6.5
219945_at	DDX25	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	6.5
214344_at	LOC92973	hypothetical LOC92973	6.5
206553_at	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	6.06
214650_x_at	Mog	myelin oligodendrocyte glycoprotein	6.06
207115_x_at	mbtd1	mbt domain containing 1	6.06
208004_at	Prol1	proline rich, lacrimal 1	6.06
205247_at	NOTCH4	Notch homolog 4 (Drosophila)	6.06
211203_s_at	Cntn1	contactin 1	6.06
220689_at	NODAL	nodal homolog (mouse)	6.06
208324 at	AKAP13	A kinase (PRKA) anchor protein 13	6.06
204613_at	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	6.06
204613_at			
	Semg1	semenogelin I	6.06
211343_s_at	COL13A1	collagen, type XIII, alpha 1	6.06
206370_at	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	6.06
219947_at	CLEC4A	C-type lectin domain family 4, member A	6.06
204010_s_at	Kras	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	6.06
206168_at	ZC3H7B	zinc finger CCCH-type containing 7B	6.06
205614_x_at	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	6.06
221296_at	TECTA	tectorin alpha	6.06
	MAPRE3	microtubule-associated protein, RP/EB family, member 3	6.06
214270 e at	LIVIAL IVEO		6.06
214270_s_at	DI ATT		n un
211668_s_at	PLAU	plasminogen activator, urokinase	
211668_s_at 207403_at	IRS4	insulin receptor substrate 4	6.06
211668_s_at 207403_at 208487_at	IRS4 Imx1b	insulin receptor substrate 4 LIM homeobox transcription factor 1, beta	6.06 6.06
211668_s_at 207403_at	IRS4	insulin receptor substrate 4	6.06

	1	Fc fragment of IgG, high affinity Ic, receptor (CD64); Fc fragment of IgG, high affinity Ia,	6.06
216951_at	fcgr1a	receptor (CD64)	0.00
	Ţ	Fc fragment of IgG, high affinity Ic, receptor (CD64); Fc fragment of IgG, high affinity Ia,	6.06
216951_at	FCGR1C	receptor (CD64)	
217104_at	ST20	suppressor of tumorigenicity 20	6.06
220030_at	STYK1	serine/threonine/tyrosine kinase 1	6.06
207441_at	SMR3B	submaxillary gland androgen regulated protein 3B	6.06
219962_at	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	6.06
205922_at	VNN2	vanin 2	6.06
214444_s_at	PVR	poliovirus receptor	6.06
208217_at	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	6.06
207437_at	NOVA1	neuro-oncological ventral antigen 1	6.06
215241_at	Ano3	anoctamin 3	6.06
211421_s_at	RET	ret proto-oncogene	6.06
220048_at	EDAR	ectodysplasin A receptor	6.06
215461_at	Znrf4	zinc and ring finger 4	6.06
211526_s_at	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy; regulator of telomere elongation helicase 1	6.06
		tumor necrosis factor receptor superfamily, member 6b, decoy; regulator of telomere	6.06
211526_s_at	RTEL1	elongation helicase 1	
221389_at	pla2g2e	phospholipase A2, group IIE	6.06
220568_at	PRO1483	hypothetical LOC55448	6.06
213091_at	CRTC1	CREB regulated transcription coactivator 1	6.06
202448_s_at	zer1	zer-1 homolog (C. elegans)	6.06
216066_at	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	6.06
206313_at	HLA-DOA	major histocompatibility complex, class II, DO alpha	6.06
208495_at	tlx3	T-cell leukemia homeobox 3	6.06
207385_at	TFDP3	transcription factor Dp family, member 3	6.06
	MGC27345	hypothetical protein MGC27345	6.06
206736 x at	Chrna4	cholinergic receptor, nicotinic, alpha 4	6.06
208233 at	PDPN	podoplanin	6.06
205838 at	Gypa	glycophorin A (MNS blood group)	6.06
	- J - J - J - J - J - J - J - J - J - J	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	6.06
209671_x_at	traC	cell receptor delta locus; T cell receptor delta variable 2	
200671 v ot	TRDV2	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	6.06
209671_x_at	IKDVZ	cell receptor delta locus; T cell receptor delta variable 2	6.06
200674 v ot	tro @	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	6.06
209671_x_at	tra@	cell receptor delta locus; T cell receptor delta variable 2	0.00
000074	TD 41/00	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	6.06
209671_x_at	TRAV20	cell receptor delta locus; T cell receptor delta variable 2	
		T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	6.06
209671_x_at	TRD@	cell receptor delta locus; T cell receptor delta variable 2	
217668_at	C22orf36	chromosome 22 open reading frame 36	6.06
220830_at	IMPG2	interphotoreceptor matrix proteoglycan 2	6.06
211743_s_at	PRG2	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic	6.06
220481_at	Gpr75	G protein-coupled receptor 75	6.06
217195_at	GCNT1P1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	6.06
		IQ motif and Sec7 domain 3; similar to IQ motif and Sec7 domain-containing protein 3; similar	5.66
213834_at	LOC731035	to IQ motif and SEC7 domain-containing protein 3; similar to IQ motif and Sec7 domain 3	
		IQ motif and Sec7 domain 3; similar to IQ motif and Sec7 domain-containing protein 3; similar	5.66
213834_at	IQSEC3	to IQ motif and SEC7 domain-containing protein 3; similar to IQ motif and Sec7 domain 3	
		IQ motif and Sec7 domain 3; similar to IQ motif and Sec7 domain-containing protein 3; similar	5.66
213834_at	LOC728056	to IQ motif and SEC7 domain-containing protein 3; similar to IQ motif and Sec7 domain 3	
		IQ motif and Sec7 domain 3; similar to IQ motif and Sec7 domain-containing protein 3; similar	5.66
213834_at	09	to IQ motif and SEC7 domain-containing protein 3; similar to IQ motif and Sec7 domain 3	
211601_at	CATR1	CATR tumorigenicity conversion 1	5.66
		similar to Primase, DNA, polypeptide 2 (58kDa)	5.66
215709_at	55	, , , , , , , , , , , , , , , , , , , ,	
210838_s_at	Acvrl1	activin A receptor type II-like 1	5.66
207E7C	ACVIII	Iduliviii A lecebioi ivbe ii-like i	0,00
∠U/O/b X at			
207576_x_at 206830 at	OXT	oxytocin, prepropeptide	5.66
206830_at	OXT SLC4A10	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10	5.66 5.66
206830_at 215026_x_at	OXT SLC4A10 SCNN1A	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha	5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at	OXT SLC4A10 SCNN1A DDO	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase	5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at	OXT SLC4A10 SCNN1A DDO TNFRSF25	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25	5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide	5.66 5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at 214357_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A C1orf105	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide chromosome 1 open reading frame 105	5.66 5.66 5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at 214357_at 205989_s_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A C1orf105 Mog	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide chromosome 1 open reading frame 105 myelin oligodendrocyte glycoprotein	5.66 5.66 5.66 5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at 214357_at 205989_s_at 208098_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A C1orf105 Mog OR12D3	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide chromosome 1 open reading frame 105 myelin oligodendrocyte glycoprotein olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V,	5.66 5.66 5.66 5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at 214357_at 205989_s_at 208098_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A C1orf105 Mog OR12D3 OR5V1	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide chromosome 1 open reading frame 105 myelin oligodendrocyte glycoprotein olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V, olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V,	5.66 5.66 5.66 5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at 214357_at 205989_s_at 208098_at 208098_at 215021_s_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A C1orf105 Mog OR12D3 OR5V1 Nrxn3	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide chromosome 1 open reading frame 105 myelin oligodendrocyte glycoprotein olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V, olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V, neurexin 3	5.66 5.66 5.66 5.66 5.66 5.66 5.66 5.66
206830_at 215026_x_at 207418_s_at 211282_x_at 206305_s_at 214357_at 205989_s_at 208098_at	OXT SLC4A10 SCNN1A DDO TNFRSF25 C8A C1orf105 Mog OR12D3 OR5V1	oxytocin, prepropeptide solute carrier family 4, sodium bicarbonate transporter, member 10 sodium channel, nonvoltage-gated 1 alpha D-aspartate oxidase tumor necrosis factor receptor superfamily, member 25 complement component 8, alpha polypeptide chromosome 1 open reading frame 105 myelin oligodendrocyte glycoprotein olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V, olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V,	5.66 5.66 5.66 5.66 5.66 5.66 5.66 5.66

217238_s_at	IAldob	aldolase B, fructose-bisphosphate	5.66
203106_s_at	Vps41	vacuolar protein sorting 41 homolog (S. cerevisiae)	5.66
AFFX-DapX-	birA	Bifunctional protein birA	5.66
221350 at	Hoxc8	homeobox C8	5.66
213022_s_at	utrn	utrophin	5.66
215349 at	BTBD18	hypothetical protein LOC643376	5.66
205549 at	PCP4	Purkinie cell protein 4	5.66
203626_s_at	Skp2	S-phase kinase-associated protein 2 (p45)	5.66
203850_s_at	KIF1A	kinesin family member 1A	5.66
208394_x_at	Esm1	endothelial cell-specific molecule 1	5.66
210669 at	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	5.66
213972 at	foxd1	forkhead box D1	5.66
205625_s_at	CALB1	calbindin 1, 28kDa	5.66
	O/ LED !	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4; similar to	5.66
221153_s_at	LOC315380	hormone-regulated proliferation-associated 20 kDa protein; similar to RIKEN cDNA	
221153_s_at	LOC365685	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4; similar to hormone-regulated proliferation-associated 20 kDa protein; similar to RIKEN cDNA	5.66
221153_s_at	Ndufaf4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4; similar to hormone-regulated proliferation-associated 20 kDa protein; similar to RIKEN cDNA	5.66
221153_s_at	LOC367750	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4; similar to hormone-regulated proliferation-associated 20 kDa protein; similar to RIKEN cDNA	5.66
217070 at	Mthfr	5,10-methylenetetrahydrofolate reductase (NADPH)	5.66
 207912_s_at	DAZ3	deleted in azoospermia 1; deleted in azoospermia 3; deleted in azoospermia 2; deleted in azoospermia 4	5.66
207912_s_at	DAZ4	deleted in azoospermia 1; deleted in azoospermia 3; deleted in azoospermia 2; deleted in azoospermia 4	5.66
		deleted in azoospermia 1; deleted in azoospermia 3; deleted in azoospermia 2; deleted in	5.66
207912_s_at	DAZ1	azoospermia 4 deleted in azoospermia 1; deleted in azoospermia 3; deleted in azoospermia 2; deleted in	5.66
207912_s_at	DAZ2	azoospermia 4	
216352_x_at	PCDHGA3	protocadherin gamma subfamily A, 3	5.66
208479_at	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with	5.66
220698_at	MGC4294	hypothetical protein MGC4294	5.66
222224_at	NACA2	nascent polypeptide-associated complex alpha subunit 2	5.66
218232_at	C1qa	complement component 1, q subcomponent, A chain	5.66
216722_at	VENTXP1	VENT homeobox (Xenopus laevis) pseudogene 1	5.66
220321_s_at	CCDC121	coiled-coil domain containing 121	5.66
213638_at	PHACTR1	phosphatase and actin regulator 1	5.66
215242_at	PIGC	phosphatidylinositol glycan anchor biosynthesis, class C	5.66
206410_at	NR0B2	nuclear receptor subfamily 0, group B, member 2	5.66
214051_at	Tmsb15a	thymosin beta 15a; thymosin beta 15B	5.66
214051_at	TMSB15B	thymosin beta 15a; thymosin beta 15B	5.66
211786_at	TNFRSF9	tumor necrosis factor receptor superfamily, member 9	5.28
219837_s_at	Cytl1	cytokine-like 1	5.28
215332_s_at	CD8B	CD8b molecule	5.28
215320_at	FAM75C1	similar to chromosome 9 open reading frame 36; family with sequence similarity 75, member	5.28
215320_at	LOC645961	similar to chromosome 9 open reading frame 36; family with sequence similarity 75, member	5.28
211562_s_at	LMOD1	leiomodin 1 (smooth muscle)	5.28
207656_s_at	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	5.28
	MAGED4B	melanoma antigen family D, 4B; melanoma antigen family D, 4	5.28
221261_x_at	MAGED4	melanoma antigen family D, 4B; melanoma antigen family D, 4	5.28
206162_x_at	Syt5	synaptotagmin V	5.28
217389_s_at	ATF5	activating transcription factor 5	5.28
222337_at	OSBPL9	oxysterol binding protein-like 9	5.28
213142_x_at	PION	pigeon homolog (Drosophila)	5.28
221461_at	TAS2R9	taste receptor, type 2, member 9	5.28
206817_x_at	celf3	trinucleotide repeat containing 4	5.28
204471_at	gap43	growth associated protein 43 N-acetyltransferase 8 (GCN5-related, putative); N-acetyltransferase 8B (GCN5-related,	5.28 5.28
206964_at	Nat8	putative, gene/pseudogene) N-acetyltransferase 8 (GCN5-related, putative); N-acetyltransferase 8B (GCN5-related,	5.28
206964_at	Nat8b	putative, gene/pseudogene)	5.20
219743_at	HEY2	hypothetical LOC100129733; hairy/enhancer-of-split related with YRPW motif 2	5.28
219743_at	LOC1001297 33	hypothetical LOC100129733; hairy/enhancer-of-split related with YRPW motif 2	5.28
210585_s_at	Tnpo2	transportin 2	5.28
216802_at	CORO2B	coronin, actin binding protein, 2B	5.28
214983_at	TTTY15	testis-specific transcript, Y-linked 15	5.28
216769_x_at	C9orf150	chromosome 9 open reading frame 150	5.28
206588_at	dazl	deleted in azoospermia-like	5.28
206627_s_at	SSX8	synovial sarcoma, X breakpoint 8; synovial sarcoma, X breakpoint 1	5.28
206627_s_at	SSX1	synovial sarcoma, X breakpoint 8; synovial sarcoma, X breakpoint 1	5.28
	1	127	5.25

1998 1999	200476 a at	Incura?	La constant de la con	5.00
270221 at CHRNA3	206476_s_at	nova2	neuro-oncological ventral antigen 2	5.28
29228.6 at PDPR				
216514_all BMP6 BMP6 Bone morphogenetic protein 3 5.28	210221_at	CHRNA3	cholinergic receptor, nicotinic, alpha 3	5.28
216514_81	220236_at	PDPR	pyruvate dehydrogenase phosphatase regulatory subunit	5.28
215042_at BMP6	216514 at	BMP3		
201750 S. at ECET				
21388_s.at ncor2 nuclear receptor co-repressor 2 5.28				
215977 x, at GKSP	201730_S_at			
215977_x_st GK				
200955_a app	215977_x_at	GK3P	glycerol kinase 3 pseudogene; glycerol kinase	5.28
200955_a app	215977_x_at	GK		5.28
218720 x, at sezi62 sezicur erelated 6 homolog (mouse)-like 2 5,28 218720 x, at sezi62 sezicur erelated 6 homolog (mouse)-like 2 5,28 218522 at 2NP391 2NP391 zin finger proten 391 5,28 218523 at 2NP391 zin finger proten 391 5,28 217255 x, at Cyp2a6 cyp2a6 cypcohrome P450, family 2, sublamily A, polypeptide 6 5,28 247410, at EHFAY sublamily A, polypeptide 6 5,28 247410, at EHFAY sublamily C, polypeptide 6 5,28 247410, at EHFAY sublamily C, polypeptide 6 5,28 247410, at EHFAY sublamily C, polypeptide 6 5,28 247373, at C,		agp7		
204979_8_at				
215523_st				
206179 S. alt TPPP				
271259 X. alt				
204410_at	206179_s_at	TPPP	tubulin polymerization promoting protein	5.28
204410_at	211295_x_at	cyp2a6	cytochrome P450, family 2, subfamily A, polypeptide 6	5.28
215103 at CVPP2C18		EIF1AY		5.28
210637_at Tacrt tachtykinin receptor 1 5.28 213733_at myoft myosin F 5.28 213733_at myoft myosin F 5.28 206630_at tyr tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217386_at MRPS11P1 mtochondrial ribosomal protein St1 pseudogene tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217386_at MRPS11P1 mtochondrial ribosomal protein St1 pseudogene tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217315_at ADAM3A ADAM metallopeptidase domain 3A (cyritestist 1) 4.92 217315_at CDAP1L1 mtochondrial ribosomal protein St1 pseudogene tyrosinase ty				
2047/30 at RIMS3 regulating synaptic membrane exocytosis 3 5.28				
213733 at myo11 myosin F 5.28				
207683 at Egr4 early growth response 4 5.28 206830, at tyr tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 206830, at tyrk tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217386 at MRPS111P mitochondrial ribosomal protein IST (pseudogene) 4.92 217315, at ADAM3A ADAM metallopeptidase domain 3A (cyritestin 1) 4.92 217315, at KLK13 KABIKrein-related peptidase domain 3A (cyritestin 1) 4.92 217315, at XLK13 XABIKrein-related peptidase domain 3A (cyritestin 1) 4.92 207514, at XLK13 XABIKrein-related peptidase (arminor-associated protein 1-like 1 4.92 207514, at XLK13 XABIKrein-related peptidase 13 4.92 207528, at XABIK XABIKREIN-related XABIKREIN-				
206630_at tyr tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217386_at tyrkL tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217315_s_at ADAMA ADAM metallopeptidase domain 3A (cyritestin 1) 4.92 217315_s_at KLK13 Kallikrein-related peptidase 13 4.92 217315_s_at XLK13 Kallikrein-related peptidase 13 4.92 205714_s_at Zmyd10 Zinc finger, MYND-type containing 10 4.92 205714_s_at Zmyd10 Zinc finger, MYND-type containing 10 4.92 205286_s_at TDGF3 teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 4.92 205286_s_at tidgf1 teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 4.92 207534_at MAGEB1 melanoma antigen family B, 1 4.92 213197_at Ash11 astrotacin 1 4.92 213197_at Ash11 astrotacin 1 4.92 213197_at Ash11 astrotacin 1 4.92 217120_s_at MG614 mediator complex subunit 14 4.92 217120_s_at MG614 mediator complex subunit 14 4.92 21758_at ApoBect 1.22 ApoBect 5.23 217910_r at ApoBect 5.33 ApoBect 5.33 217910_r at ApoBect 5.34 ApoBect 5.34 ApoBect 5.34 217938_at ApoBect 5.34 ApoBect 5.34 ApoBect 5.34 217938_at ApoBect 5.34 ApoBect 5.34 217938_at ApoBect 5.34 ApoBect 5.34 217938_at Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2	213733_at	myo1f	myosin IF	5.28
206630_at tyr tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217386_at tyrkL tyrosinase-like (pseudogene); tyrosinase (oculocutaneous albinism IA) 4.92 217315_s_at ADAMA ADAM metallopeptidase domain 3A (cyritestin 1) 4.92 217315_s_at KLK13 Kallikrein-related peptidase 13 4.92 217315_s_at XLK13 Kallikrein-related peptidase 13 4.92 205714_s_at Zmyd10 Zinc finger, MYND-type containing 10 4.92 205714_s_at Zmyd10 Zinc finger, MYND-type containing 10 4.92 205286_s_at TDGF3 teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 4.92 205286_s_at tidgf1 teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 4.92 207534_at MAGEB1 melanoma antigen family B, 1 4.92 213197_at Ash11 astrotacin 1 4.92 213197_at Ash11 astrotacin 1 4.92 213197_at Ash11 astrotacin 1 4.92 217120_s_at MG614 mediator complex subunit 14 4.92 217120_s_at MG614 mediator complex subunit 14 4.92 21758_at ApoBect 1.22 ApoBect 5.23 217910_r at ApoBect 5.33 ApoBect 5.33 217910_r at ApoBect 5.34 ApoBect 5.34 ApoBect 5.34 217938_at ApoBect 5.34 ApoBect 5.34 ApoBect 5.34 217938_at ApoBect 5.34 ApoBect 5.34 217938_at ApoBect 5.34 ApoBect 5.34 217938_at Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 Cyp2 217938_at Cyp2	207768 at	Egr4	early growth response 4	
206830_at				
217386 at			tyrocinase like (pseudogene), tyrocinase (contoutaireus albinism in)	
216276 S. at ADAMSA ADAM metallopeptidase domain 3A (cyritestin 1) 4.92 217916 S. at KLK13 KLK13 Kallkrein-related peptidase 13 4.92 217916 S. at CAPPT 1 217917 S. at CAPPT 1 217918 S. at CAPPT 1 217918 S. at CAPPT 1 217918 S. at CAPPT 1 217919 S. at CAPPT 1 217919 S. at CAPPT 1 217910 S. at CAPPT				
217315 S. at KLK13 Kallikrein-related peptidase 13 4.92 205714 S. at CDAPT Janglioside-induced differentiation-associated protein 1-like 1 4.92 205714 S. at Zmynd10 Zmynd10 Zmot (English of Sample 1) 205714 S. at Zmynd10 Zmynd10 Zmot (English of Sample 1) 205726 Small of Sample 2 4.92 205726 Small of Sa				
29688 at				
29688 at				4.92
205714_S.at		GDAP1L1		
208194 S. at. STÁM2 signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 (9.0288 S. at. 1 TOGF3 (9.0288) 5. at. 1 TOGF3 (9.0288) 6. at. 1				
206286 s. at TDGF3 terfatocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 4, 92 207534, at MAGEB1 teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor 4, 92 20306, at FAM46C Astin 1 4, 92 213197, at Astin 1 Astin 1 Astin 2 214974, x., at CXCL5 chemokine (C-X-C motif) ligand 5 4, 92 2171720, s. at Med14 4, 92 206311, at ILZRA mediator complex subunit 14 4, 92 216085, at 153 19107, at BCAN brevcan 2179107, at BCAN brevcan 4, 92 207518, at Apobec1 apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 4, 92 2076101, at CASP1 caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) 4, 92 207555, s. at CD36 CD36 molecule (knombospondin receptor) 4, 92 207400, at GZMM GZMM Granulocyte-macrophage) 4, 92				
206286 S. alt tidgf1 teratocarcinoma-derived growth factor (4.92 by 207534 at MAGEB1 4.92 melanoma antigen family B. 1				
207534 at MAGEB1 melanoma antigen family B, 1 4.92				
220306_at	206286_s_at	tdgf1	teratocarcinoma-derived growth factor 3, pseudogene; teratocarcinoma-derived growth factor	4.92
220306_at	207534 at	MAGEB1	melanoma antigen family B. 1	4.92
213197 at		FAM46C		
214974 x at				
217120_s_at Med14 mediator complex subunit 14 4.92	210107_at			
206341_at				
DKFZP434C DKFZP434C153 protein				
219107_at BCAN Drevican 4.92	206341_at	IL2RA	interleukin 2 receptor, alpha	4.92
219107_at BCAN Drevican 4.92		DKFZP434C	DKFZP434C153 protein	4.92
207158_at	216085 at			-
207158_at			brovican	4.02
208011_at				
213569_at				
209555_s_at				
208108_s_at	213569_at	Vash1		4.92
208108_s_at	209555 s at	CD36	CD36 molecule (thrombospondin receptor)	4.92
210228_at		AVPR2		4 92
207460_at				
206206_at CD180 CD180 molecule 4.92 216963_s_at gap43 growth associated protein 43 4.92 208462_s_at abcc9 ATP-binding cassette, sub-family C (CFTR/MRP), member 9 4.92 220331_at cyp46a1 cytochrome P450, family 46, subfamily A, polypeptide 1 4.92 220017_x_at CYP2C9 cytochrome P450, family 2, subfamily C, polypeptide 9 4.92 221292_at PTCH2 patched homolog 2 (Drosophila) 4.92 211891_s_at ARHGEF4 Rho guanine nucleotide exchange factor (GEF) 4 4.92 215133_s_at FAM153B family with sequence similarity 153, member B 4.92 215130_x_at KCnj5 potassium inwardly-rectifying channel, subfamily J, member 5 4.92 216770_at CYLC1 cylicin, basic protein of sperm head cytoskeleton 1 4.92 216842_s_at HOXA3 homeobox A3 4.92 217235_x_at IGLV2-23 immunoglobulin lambda variable 2-23 4.92 208105_at GIPR gastric inhibitory polypeptide receptor 4.92 207381_at FAM49B family wi				
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2.17310_3_at CACIVATO Calcium charmer, voltage-dependent, Litype, alpha 15 subunit 4.92	220331_at 220017_x_at 221292_at 211891_s_at 215133_s_at 211304_x_at 207800_at 216779_at 208604_s_at 217235_x_at 216825_s_at 208105_at 217252_at 217535_at 207381_at 210751_s_at 221638_s_at 213321_at 215509_s_at	cyp46a1 CYP2C9 PTCH2 ARHGEF4 FAM153B Kcnj5 AKAP5 CYLC1 HOXA3 IGLV2-23 mpl GIPR sqstm1 FAM49B ALOX12B rgn stx16 BCKDHB BUB1	cytochrome P450, family 2, subfamily C, polypeptide 9 patched homolog 2 (Drosophila) Rho guanine nucleotide exchange factor (GEF) 4 family with sequence similarity 153, member B potassium inwardly-rectifying channel, subfamily J, member 5 A kinase (PRKA) anchor protein 5 cylicin, basic protein of sperm head cytoskeleton 1 homeobox A3 immunoglobulin lambda variable 2-23 myeloproliferative leukemia virus oncogene gastric inhibitory polypeptide receptor sequestosome 1 family with sequence similarity 49, member B arachidonate 12-lipoxygenase, 12R type regucalcin (senescence marker protein-30) syntaxin 16 branched chain keto acid dehydrogenase E1, beta polypeptide budding uninhibited by benzimidazoles 1 homolog (yeast)	4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92
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215990 S. at BCL6 B-cell CLL/lymphoma 6 4.9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 9 9 9 9 9 9
21892 s. at	2 2 2 2 2 2 2 2 2 2 9 9 9 9 9 9 9 9 9 9
21877 s. at PCDHGA11 protocadherin gamma subfamily A, 11 4.9 4.9 208814_at ATP2A3 ATPase, Ca++ transporting, ubiquitous 4.9 208814_at AGER Ader	2 2 2 2 2 2 2 9 9 9 9 9 9 9 9 9 9 9
213042_s_at	2 2 2 2 2 9 9 9 9 9 9 9 9 9 9 9 9
200814_st	2 2 2 2 2 9 9 9 9 9 9 9 9 9 9 9 9
217146 s. at AČER advanced glycosylation end product-specific receptor 4.9	2 2 2 9 9 9 9 9 9 9 9 9 9 9 9
21826 s. at AFF1 AF4/FMR2 family, member 1 4.9	2 2 9 9 9 9 9 9 9 9 9 9 9 9
207230_at	2 9 9 9 9 9 9 9 9 9 9 9 9
276408_at	9 9 9 9 9 9 9 9 9 9 9
209837_s_at	9 9 9 9 9 9 9 9 9 9 9
207234_at	9 9 9 9 9 9 9 9 9 9 9
22133 s. at FAM135A family with sequence similarity 135, member A 4.5	9 9 9 9 9 9 9 9 9
208329_at	9 9 9 9 9 9 9 9
21115_x_at	9 9 9 9 9 9 9
220490_at SERINC2 serine incorporator 2 4.5	9 9 9 9 9 9 9
21424_s_at	9 9 9 9 9 9
206634_at	9 9 9 9 9
211021_s_at	9 9 9 9
205883_at DPEP1 dipeptidase 1 (renal) 4.5	9 9 9
216254_at	9 9 9
215368_at	9
222117_s_at ADCK2 aarF domain containing kinase 2 4.5	9
220435_at slc30a10 solute carrier family 30, member 10 206254_at Egf epidermal growth factor (beta-urogastrone) 4.5 206254_at Egf epidermal growth factor (beta-urogastrone) 4.5 215902_at 6-Mar membrane-associated ring finger (C3HC4) 6 220662_s_at heyl hairy/enhancer-of-split related with YRPW motif-like 4.5 220662_s_at MTNR1A melatonin receptor 1A 208519_x_at GNRH2 gonadotropin-releasing hormone 2 3A, cell surface associated; similar to Mucin-3A precursor (Intestinal mucin-3A); mucin 3B, cell surface associated; similar to mucin 3 4.5 214898_x_at MUC3B 3A, cell surface associated; similar to Mucin-3A precursor (Intestinal mucin-3A); mucin 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	
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209800_at Krt16 keratin 16; keratin type 16-like 4.5 216968_at masp2 mannan-binding lectin serine peptidase 2 4.5 207503_at tcp10 t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse) 4.5 207503_at TCP10L2 t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse) 4.5 209848_s_at SILV silver homolog (mouse) 4.5 217203_at GLUL glutamate-ammonia ligase (glutamine synthetase) 4.5 211024_s_at nkx2-1 NK2 homeobox 1 4.5	
216968_at masp2 mannan-binding lectin serine peptidase 2 4.5 207503_at tcp10 t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse) 4.5 207503_at TCP10L2 t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse) 4.5 209848_s_at SILV silver homolog (mouse) 4.5 217203_at GLUL glutamate-ammonia ligase (glutamine synthetase) 4.5 211024_s_at nkx2-1 NK2 homeobox 1 4.5	
207503_at tcp10 t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse) 4.5 207503_at TCP10L2 t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse) 4.5 209848_s_at SILV silver homolog (mouse) 4.5 217203_at GLUL glutamate-ammonia ligase (glutamine synthetase) 4.5 211024_s_at nkx2-1 NK2 homeobox 1 4.5	-
207503_atTCP10L2t-complex 10-like 2 (mouse); t-complex 10 homolog (mouse)4.5209848_s_atSILVsilver homolog (mouse)4.5217203_atGLULglutamate-ammonia ligase (glutamine synthetase)4.5211024_s_atnkx2-1NK2 homeobox 14.5	
209848_s_at SILV silver homolog (mouse) 4.5 217203_at GLUL glutamate-ammonia ligase (glutamine synthetase) 4.5 211024_s_at nkx2-1 NK2 homeobox 1 4.5	_
217203_at GLUL glutamate-ammonia ligase (glutamine synthetase) 4.5 211024_s_at nkx2-1 NK2 homeobox 1 4.5	
211024_s_at	
ZTTUZ4_S_at TIKXZ-T NKZ nomeobox T 4.5	
211027_s_at IKBKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta 4.5	
211027_s_at IKBKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta 4.5 207459_x_at GYPB glycophorin E; glycophorin B (MNS blood group) 4.5	
207459_x_at GYPE glycophorin E; glycophorin B (MNS blood group) 4.5	
210931_at RNF6 ring finger protein (C3H2C3 type) 6 4.5	
217307_at ACO2 aconitase 2, mitochondrial 4.5	
210875_s_at ZEB1 zinc finger E-box binding homeobox 1 4.5	
210794_s_at MEG3 maternally expressed 3 (non-protein coding) 4.5	
206205_at MPHOSPH9 M-phase phosphoprotein 9 4.5	
34210_at Cd52 CD52 molecule 4.5	
214418_at CT62 hypothetical protein LOC196993 4.5	
205978_at KL klotho 4.5	9
216040_x_at RAB11FIP3 RAB11 family interacting protein 3 (class II) 4.5	
211457_at GABARAPL3 GABA(A) receptors associated protein like 3 (pseudogene); GABA(A) receptor-associated 4.5	
211457_at GABARAPL1 GABA(A) receptors associated protein like 3 (pseudogene); GABA(A) receptor-associated 4.5	
206513_at AIM2 absent in melanoma 2 4.5	a 🗔
204834_at FGL2 fibrinogen-like 2 4.5	
209241_x_at MINK1 misshapen-like kinase 1 (zebrafish) 4.5	9
203784_s_at Ddx28 DEAD (Asp-Glu-Ala-Asp) box polypeptide 28 4.5	9
221307_at KCNIP1 Kv channel interacting protein 1 4.5	9 9 9
217687_at ADCY2 adenylate cyclase 2 (brain) 4.5	9 9 9
214079_at Dhrs2 dehydrogenase/reductase (SDR family) member 2 4.5	9 9 9 9
207784_at arsD aryIsulfatase D 4.5	9 9 9 9 9

		killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2; killer cell	4.59
		immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1; killer-cell Ig-like receptor;	
217296_at	KIR2DL1	killer cell immunoglobulin-like receptor, three domains, pseudogene 1	
		killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2; killer cell	4.59
		immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1; killer-cell Ig-like receptor;	
217296_at	KIR3DP1	killer cell immunoglobulin-like receptor, three domains, pseudogene 1	
		killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2; killer cell	4.59
		immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1; killer-cell Ig-like receptor;	
217296_at	KIR2DL2	killer cell immunoglobulin-like receptor, three domains, pseudogene 1	
217494_s_at	PTENP1	phosphatase and tensin homolog; phosphatase and tensin homolog pseudogene 1	4.59
217494_s_at	pten	phosphatase and tensin homolog; phosphatase and tensin homolog pseudogene 1	4.59
211726_s_at	FMO2	flavin containing monooxygenase 2 (non-functional)	4.59
205899_at	CCNA1	cyclin A1	4.59
211314_at	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit	4.59
220369_at	smek1	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	4.59
215877_at	C14orf56	chromosome 14 open reading frame 56	4.59
207587_at	cryga	crystallin, gamma A	4.29
205031_at	Efnb3	ephrin-B3	4.29
210340_s_at	CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	4.29
221051_s_at	ITGB1BP3	integrin beta 1 binding protein 3	4.29
220735_s_at	Senp7	SUMO1/sentrin specific peptidase 7	4.29
206541_at	KLKB1	kallikrein B, plasma (Fletcher factor) 1	4.29
206137_at	RIMS2	regulating synaptic membrane exocytosis 2	4.29
216817_s_at	OR2H1	olfactory receptor, family 2, subfamily H, member 1	4.29
211470_s_at	Sult1c2	sulfotransferase family, cytosolic, 1C, member 2	4.29
205554_s_at	DNASE1L3	deoxyribonuclease I-like 3	4.29
207321_s_at	Abcb9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	4.29
221662_s_at	SLC22A7	solute carrier family 22 (organic anion transporter), member 7	4.29
207869_s_at	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit	4.29
214421_x_at	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	4.29
216839_at	Lama2	laminin, alpha 2	4.29
205885_s_at	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	4.29
217577_at	xpo1	exportin 1 (CRM1 homolog, yeast)	4.29
205903_s_at	KCNN3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member	4.29
220620_at	Crct1	cysteine-rich C-terminal 1	4.29
220512_at	DLC1	deleted in liver cancer 1	4.29
207818_s_at 213277_at	HTR7 zfp36l1	5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled)	4.29
201438 at	Col6a3	zinc finger protein 36, C3H type-like 1	4.29
217644_s_at	SOS2	collagen, type VI, alpha 3	4.29 4.29
217044_s_at	Ar	son of sevenless homolog 2 (Drosophila)	
207139 at	ATP4A	androgen receptor ATPase, H+/K+ exchanging, alpha polypeptide	4.29 4.29
216566 at	rpl14	ribosomal protein L14	4.29
206420 at	Igsf6	immunoglobulin superfamily, member 6	4.29
221080_s_at	DENND1C	DENN/MADD domain containing 1C	4.29
211386 at	MGC12488	hypothetical protein MGC12488	4.29
211604_x_at	Hap1	huntingtin-associated protein 1	4.29
214408 s at	Rfpl3s	RFPL3 antisense RNA (non-protein coding)	4.29
1320 at	PTPN21	protein tyrosine phosphatase, non-receptor type 21	4.29
214955 at	TMPRSS6	transmembrane protease, serine 6	4.29
202752_x_at	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	4.29
216773_at	COMMD1	copper metabolism (Murr1) domain containing 1	4.29
220054_at	IL23A	interleukin 23, alpha subunit p19	4.29
214228_x_at	Tnfrsf4	tumor necrosis factor receptor superfamily, member 4	4.29
210882_s_at		trophinin	4.29
	Tro		
209261 s at	Tro NR2F6	nuclear receptor subfamily 2, group F. member 6	
209261_s_at	Tro NR2F6 Apaf1	nuclear receptor subfamily 2, group F, member 6	4.29 4.29
209261_s_at 211553_x_at	NR2F6 Apaf1	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1	4.29 4.29
209261_s_at 211553_x_at 222320_at	NR2F6 Apaf1 Cdc73	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	4.29 4.29 4.29
209261_s_at 211553_x_at	NR2F6 Apaf1	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene	4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at	NR2F6 Apaf1 Cdc73 POM121L9P	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked	4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1	4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein	4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at 209975_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1	4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at 209975_at 216283_s_at 206404_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1 PVR	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor fibroblast growth factor 9 (glia-activating factor)	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at 209975_at 216283_s_at 206404_at 222324_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1 PVR FGF9	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at 209975_at 216283_s_at 206404_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1 PVR FGF9 obscn	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor fibroblast growth factor 9 (glia-activating factor) obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at 209975_at 216283_s_at 206404_at 222324_at 206517_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1 PVR FGF9 obscn CDH16	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor fibroblast growth factor 9 (glia-activating factor) obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF cadherin 16, KSP-cadherin	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 226769_at 216738_at 215580_at 209975_at 216283_s_at 206404_at 222324_at 206517_at 221910_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1 PVR FGF9 obscn CDH16 etv1	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor fibroblast growth factor 9 (glia-activating factor) obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF cadherin 16, KSP-cadherin ets variant 1	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29
209261_s_at 211553_x_at 222320_at 222253_s_at 206769_at 216738_at 215580_at 209975_at 216283_s_at 206404_at 222324_at 206517_at 221910_at 207889_at	NR2F6 Apaf1 Cdc73 POM121L9P TMSB4Y HRH1 MCM3AP CYP2E1 PVR FGF9 obscn CDH16 etv1 SARDH	nuclear receptor subfamily 2, group F, member 6 apoptotic peptidase activating factor 1 cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) POM121 membrane glycoprotein-like 9 (rat) pseudogene thymosin beta 4, Y-linked histamine receptor H1 minichromosome maintenance complex component 3 associated protein cytochrome P450, family 2, subfamily E, polypeptide 1 poliovirus receptor fibroblast growth factor 9 (glia-activating factor) obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF cadherin 16, KSP-cadherin ets variant 1 sarcosine dehydrogenase	4.29 4.29 4.29 4.29 4.29 4.29 4.29 4.29

211422_at	TRPM3	transient receptor potential cation channel, subfamily M, member 3	4.29
216939_s_at	HTR4	5-hydroxytryptamine (serotonin) receptor 4	4.29
211753_s_at	RLN1	relaxin 1	4.29
205337_at	dct	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	4.29
		proline-rich protein BstNI subfamily 1; proline-rich protein BstNI subfamily 2; proline-rich	4.29
210597_x_at	PRB2	protein BstNI subfamily 4	
		proline-rich protein BstNI subfamily 1; proline-rich protein BstNI subfamily 2; proline-rich	4.29
210597_x_at	Prb1	protein BstNI subfamily 4	
		proline-rich protein BstNl subfamily 1; proline-rich protein BstNl subfamily 2; proline-rich	4.29
210597_x_at	PRB4	protein BstNI subfamily 4	
215661_at	MAST2	microtubule associated serine/threonine kinase 2	4.29
211351_at	C6orf54	chromosome 6 open reading frame 54	4.29
201882_x_at	B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	4.29
202137_s_at	zmynd11	zinc finger, MYND domain containing 11	4.29
219734_at 222106_at	SIDT1	SID1 transmembrane family, member 1	4.29
	Prnd	prion protein 2 (dublet)	4.29
209854_s_at 210964_s_at	KLK2	kallikrein-related peptidase 2	4.29
207070_at	gyg2 Rgr	glycogenin 2 retinal G protein coupled receptor	4.29
208378_x_at	FGF5	fibroblast growth factor 5	4.29 4.29
213082_s_at	SLC35D2	solute carrier family 35, member D2	4.29
202902_s_at	CTSS	cathepsin S	
205874_at	ITPKA	inositol 1,4,5-trisphosphate 3-kinase A	4.29 4.29
213962_s_at	Ankle2	ankyrin repeat and LEM domain containing 2	4.29
207617_at	DDX3X	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	4.29
207675_x_at	Artn	artemin	4.29
206390_x_at	PF4	platelet factor 4	4.29
213884_s_at	Trim3	tripartite motif-containing 3	4.29
220114_s_at	STAB2	stabilin 2	4.29
205419 at	Gpr183	G protein-coupled receptor 183	4.29
214292 at	ITGB4	integrin, beta 4	4.29
205464_at	SCNN1B	sodium channel, nonvoltage-gated 1, beta	4.29
203888 at	THBD	thrombomodulin	4
205960 at	PDK4	pyruvate dehydrogenase kinase, isozyme 4	4
207195_at	CNTN6	contactin 6	4
	LOC1001337	similar to Jumonji, AT rich interactive domain 1B (RBP2-like); lysine (K)-specific demethylase	4
201547_at	60	5B	
201547_at	KDM5B	similar to Jumonji, AT rich interactive domain 1B (RBP2-like); lysine (K)-specific demethylase	4
215311_at	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	4
217358_at	Dnajc16	DnaJ (Hsp40) homolog, subfamily C, member 16	4
211848_s_at	CEACAM7	carcinoembryonic antigen-related cell adhesion molecule 7	4
203982_s_at	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	4
206927_s_at	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	4
202192_s_at	gas7	growth arrest-specific 7	4
216561_x_at	SOX5	SRY (sex determining region Y)-box 5	4
205817_at	six1	SIX homeobox 1	4
205384_at	fxyd1	FXYD domain containing ion transport regulator 1	4
219685_at	TMEM35	transmembrane protein 35	4
210576_at	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	4
219365_s_at	CAMKV	CaM kinase-like vesicle-associated	4
211111_at	HGC6.3	similar to HGC6.3	4
210516_at	FAM120A	family with sequence similarity 120A	4
221429_x_at	TEX13A	testis expressed 13A	4
217314_at	CDC37P1	cell division cycle 37 homolog (S. cerevisiae) pseudogene 1	4
216956_s_at	itga2b	integrin, alpha 2b (platelet glycoprotein Ilb of Ilb/Illa complex, antigen CD41)	4
221225_at	Dcakd	dephospho-CoA kinase domain containing	4
216837_at	Epha5	EPH receptor A5	4
206658_at	UPK3B	uroplakin 3B	4
212562_s_at	CTSZ	cathepsin Z	4
205665_at	tspan9	tetraspanin 9	4
04.4000	L. L.	similar to hCG26659; immunoglobulin kappa constant; similar to Ig kappa chain V-I region	4
214669_x_at	Igkc	HK102 precursor	
214669_x_at	LOC652493	similar to hCG26659; immunoglobulin kappa constant; similar to lg kappa chain V-l region HK102 precursor	4
000_x_at	20002400	similar to hCG26659; immunoglobulin kappa constant; similar to lg kappa chain V-l region	4
214669_x_at	LOC650405	HK102 precursor	4
214003_X_at		similar to hCG26659; immunoglobulin kappa constant; similar to lg kappa chain V-l region	4
214669_x_at	00	HK102 precursor	4
215928_at	ABLIM2	actin binding LIM protein family, member 2	4
	GYPB	glycophorin E; glycophorin B (MNS blood group)	4
1214407 v at		CONTRACTOR OF CO	4
214407_x_at			Λ
214407_x_at 214407_x_at 207311_at	GYPE DOC2B	glycophorin E; glycophorin B (MNS blood group)	4

210998_s_at	II laf	Illustration to the first of the second of t	4
040445 -1	Hgf	hepatocyte growth factor (hepapoietin A; scatter factor)	4
216415_at	DNAH3	dynein, axonemal, heavy chain 3	4
206460_at	AJAP1	adherens junctions associated protein 1	4
216431_at	PARVA	parvin, alpha	4
205794_s_at	NOVA1	neuro-oncological ventral antigen 1	4
208195 at	TTN	titin	4
207329_at	MMP8	matrix metallopeptidase 8 (neutrophil collagenase)	4
205650_s_at	FGA		
	_	fibrinogen alpha chain	4
207626_s_at	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	4
211253_x_at	PYY	peptide YY	4
219597_s_at	DUOX1	dual oxidase 1	4
207166 at	GNGT1	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	4
205986_at	AATK	apoptosis-associated tyrosine kinase	4
217481_x_at	SHISA6	FLJ45455 protein	4
	GSDMB		
219233_s_at		gasdermin B	4
206620_at	GRAP	GRB2-related adaptor protein	4
220214_at	ZNF215	zinc finger protein 215	4
222367_at	Whamm	WAS protein homolog associated with actin, golgi membranes and microtubules	4
211093 at	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	4
220442 at	poc1b	WD repeat domain 51B	4
210082 at	abca4	ATP-binding cassette, sub-family A (ABC1), member 4	4
209906_at	C3AR1	complement component 3a receptor 1	4
206421_s_at	SERPINB7	serpin peptidase inhibitor, clade B (ovalbumin), member 7	4
208476_s_at	Frmd4a	FERM domain containing 4A	4
214233_at	Gga2	golgi associated, gamma adaptin ear containing, ARF binding protein 2	4
	- 3	PTPN13-like, Y-linked pseudogene 4; PTPN13-like, Y-linked pseudogene 3; PTPN13-like, Y-	4
208332_at	PRY	linked; PTPN13-like, Y-linked 2	7
200332_at	FKI		
		PTPN13-like, Y-linked pseudogene 4; PTPN13-like, Y-linked pseudogene 3; PTPN13-like, Y-	4
208332_at	PRYP4	linked; PTPN13-like, Y-linked 2	
		PTPN13-like, Y-linked pseudogene 4; PTPN13-like, Y-linked pseudogene 3; PTPN13-like, Y-	4
208332_at	PRYP3	linked; PTPN13-like, Y-linked 2	
		PTPN13-like, Y-linked pseudogene 4; PTPN13-like, Y-linked pseudogene 3; PTPN13-like, Y-	4
200222 04	DDVO		4
208332_at	PRY2	linked; PTPN13-like, Y-linked 2	
221177_at	Mia2	melanoma inhibitory activity 2	4
209876_at	GIT2	G protein-coupled receptor kinase interacting ArfGAP 2	4
214366_s_at	ALOX5	arachidonate 5-lipoxygenase	4
213563_s_at	Tubgcp2	tubulin, gamma complex associated protein 2	4
207900_at	Ccl17	chemokine (C-C motif) ligand 17	4
209735 at	Abcg2	ATP-binding cassette, sub-family G (WHITE), member 2	4
205938_at	PPM1E	protein phosphatase 1E (PP2C domain containing)	4
221404_at	IL1F6	interleukin 1 family, member 6 (epsilon)	4
217033_x_at	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	4
209546_s_at	APOL1	apolipoprotein L, 1	4
216600_x_at	Aldob	aldolase B, fructose-bisphosphate	4
211478_s_at	DPP4	dipeptidyl-peptidase 4	4
214533_at			
	Cma1	chymase 1, mast cell	4
211332_x_at	HFE	hemochromatosis	4
204555_s_at	PPP1R3D	protein phosphatase 1, regulatory (inhibitor) subunit 3D	3.73
214296_x_at	C19orf36	chromosome 19 open reading frame 36	
215486_at	D== = 414		3.73
213400 at	Prps1l1	phosphoribosyl pyrophosphate synthetase 1: phosphoribosyl pyrophosphate synthetase 1-	3.73 3.73
		phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1-	3.73
215486_at	PRPS1	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1-	3.73 3.73
215486_at 215187_at	PRPS1 FLJ11292	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1-hypothetical protein FLJ11292	3.73 3.73 3.73
215486_at 215187_at 214822_at	PRPS1 FLJ11292 Fam5b	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B	3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at	PRPS1 FLJ11292 Fam5b ABAT	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1-hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase	3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at	PRPS1 FLJ11292 Fam5b	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B	3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at	PRPS1 FLJ11292 Fam5b ABAT dgkq	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1-hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa	3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1-hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B	3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila)	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 215637_at 204431_at 208263_at 221851_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 215571_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 216185_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2 fut9	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2 fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 215571_at 216185_at 220026_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2 fut9 Clca4	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2 fucosyltransferase 9 (alpha (1,3) fucosyltransferase) chloride channel accessory 4	3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 216185_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2 fut9	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2 fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 215571_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 221026_at 218484_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2 fut9 Clca4 NDUFA4L2	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2 fucosyltransferase 9 (alpha (1,3) fucosyltransferase) chloride channel accessory 4 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 216116_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 216185_at 216185_at 216185_at 216185_at 2218484_at 204057_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2 fut9 Clica4 NDUFA4L2 IRF8	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2 fucosyltransferase 9 (alpha (1,3) fucosyltransferase) chloride channel accessory 4 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2 interferon regulatory factor 8	3.73 3.73 3.73 3.73 3.73 3.73 3.73 3.73
215486_at 215187_at 214822_at 209459_s_at 207562_at 220920_at 219909_at 205900_at 215637_at 204431_at 208263_at 221851_at 221944_at 210155_at 215571_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 2216185_at 221026_at 218484_at	PRPS1 FLJ11292 Fam5b ABAT dgkq ATP10B Mmp28 KRT1 nckipsd Tsga14 TLE2 SRP72 Dcaf15 FLJ42627 MYOC ncam2 fut9 Clca4 NDUFA4L2	phosphoribosyl pyrophosphate synthetase 1; phosphoribosyl pyrophosphate synthetase 1- hypothetical protein FLJ11292 family with sequence similarity 5, member B 4-aminobutyrate aminotransferase diacylglycerol kinase, theta 110kDa ATPase, class V, type 10B matrix metallopeptidase 28 keratin 1 NCK interacting protein with SH3 domain testis specific, 14 transducin-like enhancer of split 2 (E(sp1) homolog, Drosophila) signal recognition particle 72kDa chromosome 19 open reading frame 72 hypothetical LOC645644 myocilin, trabecular meshwork inducible glucocorticoid response neural cell adhesion molecule 2 fucosyltransferase 9 (alpha (1,3) fucosyltransferase) chloride channel accessory 4 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	3.73 3.73

045004 -4	ICNITO		0.70
215964_at	SNTG1	syntrophin, gamma 1	3.73
207649_at	KRT37	keratin 37	3.73
208232_x_at	NRG1	neuregulin 1	3.73
205998_x_at	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	3.73
221871_s_at	TFG	TRK-fused gene	3.73
221431 s at	OR12D3	olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V,	3.73
221431_s_at	OR5V1		
221431_5_at		olfactory receptor, family 12, subfamily D, member 3; olfactory receptor, family 5, subfamily V,	3.73
220959_s_at	OBP2B	odorant binding protein 2B	3.73
210271_at	NEUROD2	neurogenic differentiation 2	3.73
211017_s_at	Nf2	neurofibromin 2 (merlin)	3.73
206403 at	ZNF536	zinc finger protein 536	3.73
208119_s_at	ZNF93	zinc finger protein 93	3.73
210755_at	Hgf	hepatocyte growth factor (hepapoietin A; scatter factor)	3.73
213676_at	TMEM151B	transmembrane protein 151B	3.73
221077_at	ARMC4	armadillo repeat containing 4	3.73
215472_at	Pacrg	PARK2 co-regulated	3.73
215104_at	NRIP2		3.73
		nuclear receptor interacting protein 2	
207306_at	TCF15	transcription factor 15 (basic helix-loop-helix)	3.73
206057_x_at	Spn	sialophorin	3.73
214592 s at	Snapc5	small nuclear RNA activating complex, polypeptide 5, 19kDa	3.73
222332_at	INADL	InaD-like (Drosophila)	3.73
217525_at	OLFML1	olfactomedin-like 1	3.73
210318_at	RBP3	retinol binding protein 3, interstitial	3.73
213371_at	Ldb3	LIM domain binding 3	3.73
206604_at	OVOL1	ovo-like 1(Drosophila)	3.73
211839_s_at	csf1	colony stimulating factor 1 (macrophage)	3.73
218876_at	Tppp3	tubulin polymerization-promoting protein family member 3	3.73
211020_at	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)	3.73
208561_at	abcc9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	3.73
215292_s_at	mkl1	megakaryoblastic leukemia (translocation) 1	3.73
206337_at	CCR7	chemokine (C-C motif) receptor 7	3.73
	IL18RAP		
207072_at	_	interleukin 18 receptor accessory protein	3.73
206317_s_at	abcb8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	3.73
219218_at	BAHCC1	BAH domain and coiled-coil containing 1	3.73
205539_at	AVIL	advillin	3.73
215518_at	STXBP5L	syntaxin binding protein 5-like	3.73
210010_at	OTABI 3L		
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE2A	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
			5.75
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE2D	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE12G		
200203_at	GAGE 12G	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283 at	GAGE2E	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
	+	G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
			5.75
	0.40=:==	antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE12F	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE2B	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
200205_at	GAGEZB		0.70
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE12E	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
			0.70
000000 =:	040500	antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE2C	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE12D	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
u	JJZ.D		2.72
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE12C	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	50
000000	0405405		
208283_at	GAGE12B	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
<u> </u>		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
	1		
208283_at	GAGE1	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	

		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	3.73
208283_at	GAGE3	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
208283 at	GAGE5	antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
200203_at	GAGES	G antigen 2A; G antigen 2B; G antigen 12C, G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	0.70
208283_at	GAGE4	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
200202 04	GAGE7	antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE/	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8 G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	0.70
208283_at	GAGE12I	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
		G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
000000 -1	04050	antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	
208283_at	GAGE6	antigen 3; G antigen 4; G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8 G antigen 2A; G antigen 2B; G antigen 12I; G antigen 12F; G antigen 2E; G antigen 12G; G	3.73
		antigen 12D; G antigen 1; G antigen 2C; G antigen 12E; G antigen 2D; G antigen 12B; G	3.73
208283 at	GAGE8	antigen 12B, G antigen 17B, G antigen 12C; G antigen 5; G antigen 6; G antigen 7; G antigen 8	
214485_at	ODF1	outer dense fiber of sperm tails 1	3.73
203645_s_at	CD163	CD163 molecule	3.73
218033_s_at	SNN	stannin (Continuity and Continuity ACC)	3.73
222095_s_at 207770_x_at	Fam163a csh2	family with sequence similarity 163, member A	3.73
217513 at	C17orf60	chorionic somatomammotropin hormone 2 chromosome 17 open reading frame 60	3.73 3.73
221623 at	BCAN	brevican	3.73
215463_at	OR7E24	olfactory receptor, family 7, subfamily E, member 24	3.73
210784_x_at	Lilrb3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	3.73
216334_s_at	CYP2A7P1	cytochrome P450, family 2, subfamily A, polypeptide 7 pseudogene 1	3.73
215898_at 207029_at	TTLL5	tubulin tyrosine ligase-like family, member 5	3.73
216230_x_at	KITLG SMPD1	KIT ligand sphingomyelin phosphodiesterase 1, acid lysosomal	3.73 3.73
90265_at	ADAP1	ArfGAP with dual PH domains 1	3.48
		6 hypothetical protein LOC100128640	3.48
215590_x_at	40		
217438_at	PACRGL	PARK2 co-regulated-like	3.48
215759_at	ANKRD53	ankyrin repeat domain 53	3.48
219722_s_at 210709_at	Gdpd3 ZC3H15	glycerophosphodiester phosphodiesterase domain containing 3 zinc finger CCCH-type containing 15	3.48 3.48
206122_at	Sox15	SRY (sex determining region Y)-box 15	3.48
217661_x_at	SIX5	SIX homeobox 5	3.48
208388_at	nr2e3	nuclear receptor subfamily 2, group E, member 3	3.48
204280_at	RGS14	regulator of G-protein signaling 14	3.48
220216_at 216641_s_at	C8orf44 LAD1	chromosome 8 open reading frame 44	3.48 3.48
214189_s_at	Gga2	golgi associated, gamma adaptin ear containing, ARF binding protein 2	3.48
220437_at	LOC55908	hepatocellular carcinoma-associated gene TD26	3.48
207221_at	F2RL3	coagulation factor II (thrombin) receptor-like 3	3.48
219777_at	GIMAP6	GTPase, IMAP family member 6	3.48
203844_at 211449_at	vhl msh6	von Hippel-Lindau tumor suppressor	3.48
213436_at	cnr1	mutS homolog 6 (E. coli) cannabinoid receptor 1 (brain)	3.48 3.48
205754_at	F2	coagulation factor II (thrombin)	3.48
206128_at	ADRA2C	adrenergic, alpha-2C-, receptor	3.48
215525_at	Nhej1	nonhomologous end-joining factor 1	3.48
205605_at	HOXD9	homeobox D9	3.48
220037_s_at 210169_at	LYVE1 SEC14L5	lymphatic vessel endothelial hyaluronan receptor 1 SEC14-like 5 (S. cerevisiae)	3.48 3.48
206556 at	CLUL1	clusterin-like 1 (retinal)	3.48
216549_s_at	TBC1D22B	TBC1 domain family, member 22B	3.48
220681_at	C22orf26	chromosome 22 open reading frame 26	3.48
205712_at	Ptprd	protein tyrosine phosphatase, receptor type, D	3.48
215138_s_at	kaz	kazrin	3.48
205271_s_at 205311_at	CDK20 ddc	cell cycle related kinase dopa decarboxylase (aromatic L-amino acid decarboxylase)	3.48 3.48
207895_at	NAALADL1	N-acetylated alpha-linked acidic dipeptidase-like 1	3.48
207224_s_at	SIGLEC7	sialic acid binding Ig-like lectin 7	3.48
220197_at	ATP6V0A4	ATPase, H+ transporting, lysosomal V0 subunit a4	3.48
211824_x_at	I Milen 1	NLR family, pyrin domain containing 1	3.48
209768_s_at	Nlrp1 GP1BB	glycoprotein lb (platelet), beta polypeptide	3.48

218923_at	ctbs	chitobiase, di-N-acetyl-	3.48
203808_at	akt2	v-akt murine thymoma viral oncogene homolog 2	3.48
206807_s_at	add2	adducin 2 (beta)	3.48
210626_at	AKAP1	A kinase (PRKA) anchor protein 1	3.48
216533_at	рссА	propionyl Coenzyme A carboxylase, alpha polypeptide	3.48
202410_x_at	INS-IGF2	insulin-like growth factor 2 (somatomedin A); insulin; INS-IGF2 readthrough transcript	3.48
202410_x_at	INS	insulin-like growth factor 2 (somatomedin A); insulin; INS-IGF2 readthrough transcript	3.48
202410 x at	IGF2	insulin-like growth factor 2 (somatomedin A); insulin; INS-IGF2 readthrough transcript	3.48
216368_s_at	COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	3.48
216068_at	KCNT2	potassium channel, subfamily T, member 2	3.48
213965_s_at	CHD5	chromodomain helicase DNA binding protein 5	3.48
215341_at	DNAH6	dynein, axonemal, heavy chain 6	3.48
205715_at	Bst1	bone marrow stromal cell antigen 1	3.48
204311_at	Atp1b2	ATPase, Na+/K+ transporting, beta 2 polypeptide	3.48
204101 at	Mtm1	myotubularin 1	3.48
217563_at	CLOCK	clock homolog (mouse)	3.48
205328_at	CLDN10	claudin 10	3.48
210394_x_at	SSX4B	synovial sarcoma, X breakpoint 4; synovial sarcoma, X breakpoint 4B	3.48
210394_x_at	SSX4	synovial sarcoma, X breakpoint 4; synovial sarcoma, X breakpoint 4B	3.48
208482_at	SSTR1	somatostatin receptor 1	3.48
221373_x_at	PSPN	persephin	3.48
220592 at	CCDC40	coiled-coil domain containing 40	3.48
221603_at	Pex16	peroxisomal biogenesis factor 16	3.48
221374 at	FGF16	fibroblast growth factor 16	3.48
210399 x at	FUT6		
206738_at	APOC4	fucosyltransferase 6 (alpha (1,3) fucosyltransferase)	3.48
220571_at	PRDM11	apolipoprotein C-IV	3.48 3.48
		PR domain containing 11	
206961_s_at	MED20	mediator complex subunit 20	3.48
220441_at	DNAJC22	DnaJ (Hsp40) homolog, subfamily C, member 22	3.48
216273_at	ZNF460	zinc finger protein 460	3.48
210977_s_at	HSF4	heat shock transcription factor 4	3.48
204967_at	SHROOM2	shroom family member 2	3.48
218453_s_at	LOC645100	chromosome 6 open reading frame 35; hCG1820764; tetratricopeptide repeat domain 28	3.48
218453_s_at	C6orf35	chromosome 6 open reading frame 35; hCG1820764; tetratricopeptide repeat domain 28	3.48
218453_s_at	TTC28	chromosome 6 open reading frame 35; hCG1820764; tetratricopeptide repeat domain 28	3.48
214844_s_at	DOK5	docking protein 5	3.48
		DKFZP586K1520 protein	3.48
217220_at	1520		
215673_at	tef	thyrotrophic embryonic factor	3.48
214851_at	Hnf4a	hepatocyte nuclear factor 4, alpha	3.48
203368_at	CRELD1	cysteine-rich with EGF-like domains 1	3.48
AFFX-r2-Bs-thr-		Homoserine kinase	3.48
M_s_at	thrB		
221121_at	CXorf48	similar to chromosome X open reading frame 48; chromosome X open reading frame 48	3.48
221121_at	LOC650024	similar to chromosome X open reading frame 48; chromosome X open reading frame 48	3.48
207085_x_at	CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	3.48
220825_s_at	KIRREL	kin of IRRE like (Drosophila)	3.48
217658 at	THAP3	THAP domain containing, apoptosis associated protein 3	3.48
219937_at	TRHDE	thyrotropin-releasing hormone degrading enzyme	3.48
207979_s_at	CD8B	CD8b molecule	3.48
213162_at	DYNC1LI2	dynein, cytoplasmic 1, light intermediate chain 2	3.25
209886_s_at	SMAD6	SMAD family member 6	3.25
210412_at	GRIN2B	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	3.25
210472_at	MT1G	metallothionein 1G	3.25
220599_s_at	CARD14	caspase recruitment domain family, member 14	3.25
210039_s_at	prkcq	protein kinase C, theta	3.25
208467_at	Klf12	Kruppel-like factor 12	3.25
205377_s_at	ache	acetylcholinesterase (Yt blood group)	3.25
208572_at	HIST3H3	histone cluster 3, H3	3.25
215028 at	SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	3.25
222074_at	Urod		
206022_at	ndp	uroporphyrinogen decarboxylase Norrie disease (pseudoglioma)	3.25
203331_s_at			3.25
	Inpp5d	inositol polyphosphate-5-phosphatase, 145kDa	3.25
214415_at	PLGLB2	plasminogen-like B2; plasminogen-like B1	3.25
214415_at	PLGLB1	plasminogen-like B2; plasminogen-like B1	3.25
46142_at	LMF1	lipase maturation factor 1	3.25
211412_at	PADI4	peptidyl arginine deiminase, type IV	3.25
044000	T 4		
211602_s_at	Trpc1	transient receptor potential cation channel, subfamily C, member 1	3.25
204563_at	SĖLL	selectin L	3.25
		selectin L zinc finger protein 202	3.25 3.25
204563_at	SĖLL	selectin L	3.25

Total receptor alpha constant, T cell receptor alpha constant, T cell receptor alpha constant, T cell receptor dela variable 20, T	211902_x_at	TRDV2	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T cell receptor delta locus; T cell receptor delta variable 2	3.25
Teal receptor alpha constant, Teal receptor alpha constant, Teal receptor alpha variable 20. T 3.25	211902 x at	tra@	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	3.25
Teel receptor alpha constant, T. cell receptor alpha variable 20. T 3.25		TRAV/20	T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	3.25
299443, al. Serpina Serpin			T cell receptor alpha constant; T cell receptor alpha locus; T cell receptor alpha variable 20; T	3.25
274467 at GPR85				0.05
205941, 8. at				
2709998_at LAMA4 lammin. ajha 4 325				
29986_at				
204856_st 33gnt 30pr-GicNAc_betaGall beta-1_3-N-acetylgiquocsaminytransferase 3 3_25	209962_at	EPOR		
295023_st rad51	210991_s_at			3.25
221412_at				
207045_at				
205509_at	_			
211579_at				
3.25				
219759_st ERAP2				
213950_s_at				
202831_at GPX2 glutathione peroxidase 2 (gastrointestinal) 3.25	213950 s at			
220154_st				
213515_X_at HBG1 Nemoglobin, gamma A 3.25 219085_s_at GEMIN7 gem (nuclear organelle) associated protein 7 3.25 218748_s_at exoc5 exocyst complex component 5 3.25 208177_at SIC Spib exocyst complex component 5 3.25 214509_at HIST193 histone cluster 1, H3b; histone cluster 1, H3c, histone cluste				
21985 3.25 3.25 2084 3.25 2084 3.25 2084 6.5 2084 3.25 2084 6.5 2084 3.25 2084 6.5 2084 3.25 2084 6.5 2084 3.25 2084 6.5 2084 3.25 2084 6.5 2084 3.25 2084 6.5 2084 3.25 2084 6.5				
208417_at Splb spectrin, beta, erythrocytic 3.25 208177_at SUC34A1 solute carrier family 34 (sodium phosphate), member 1				
SLC34A1 solute carrier family 34 (sodium phosphate), member 1 SLC34A1 Solute carrier family 34 (sodium phosphate), member 1 SLC34A1 Solute carrier family 34 (sodium phosphate), member 1 SLC34A1 Solute carrier family 34 (sodium phosphate), member 1 SLC34A1 Slcca4A1 Solute carrier family 34 (sodium phosphate), member 1 SLC34A1 Slcca4A1 Sl				
histone cluster 1, H3j; histone cluster 1, H3h; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 2, H3c; histone cluster 2, H3c; histone cluster 2, H3c; histone cluster 1, H3c; histon				
histone cluster 1, H3f, histone cluster 1, H3g, histone cluster 1, H3d, hist	208177_at	SLC34A1		
histone cluster 1, H3f; histone cluster 1, H3e; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3c; histone cluster 1, H3d; histon	214509_at	HIST2H3A	histone cluster 1, H3f; histone cluster 1, H3e; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 2, H3c; histone cluster 2, H3d	
histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3i; histone cluster 1, H3g; histone cluster 1, H3g; histone cluster 1, H3d; histone cluster 2, H3d; histone cluster 2, H3d; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3g; histone cluster 1, H3d; histon	21.4500 ot	LICT1U2 I	histone cluster 1, H3f; histone cluster 1, H3e; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
histone cluster 1, H3j; histone cluster 1, H3e; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3c; histone cluster 1, H3d; histon			histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3g; histone cluster 1, H3d; histon			histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3c; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
histone cluster 1, H3j; histone cluster 1, H3e; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3e; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3e; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 2, H3a; histone cluster 2, H3a; histone cluster 1, H3j; histone cluster 1, H3e; histone cluster 1, H3h; histone cluster 1, H3e; histone cluster 1, H3h; histone cluster 1, H3e; histone cluster 1, H3d; histone cluster 1, H3e; histone cluster 1, H3a; histone cluster 1, H3a; histone cluster 1, H3a; histone cluster 1, H3a; histone cluster 1, H3h; histone cluster 2, H3a; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3e; histone cluster 1, H3h; histone cluster 1, H3e; histone cluster 1, H3e; histone cluster 1, H3e; histone cluster 1, H3d; histone cluster 1, H3e; histone cluster 1, H3a; histone cluster 1, H3h; histone cluster 2, H3a; histone cluster 1, H3f; histone cluster 1, H3e; histone cluster 1, H3h; histone cluster 1, H3e; histone cluster 1, H3e; histone cluster 1, H3a; histone cluster 1, H3b; histo			histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3d; histone cluster 2, H3a; histone cluster 2, H3a; histone cluster 2, H3d; histone cluster 1, H3j; histone cluster 1, H3h; histone cluster 1, H3d; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 1, H3h; histone cluster 1, H3h; histone cluster 1, H3h; histone cluster 1, H3d; histone cluster 2, H3a; histone cluster 1, H3h; histone cluster 1, H3a; histone cluster 1, H3d; histone cluster 2, H3a; histone cluster 1, H3h; histone cluster 1, H3d; histo			histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3d; histone cluster 1, H3g; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 2, H3d; histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3d; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 1, H3h; histone cluster 1, H3h; histone cluster 2, H3d; histone cluster 1, H3j; histone cluster 1, H3h; histone cluster 1, H3h; histone cluster 1, H3d; hist			histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3d; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
214509_at HIST1H3A histone cluster 2, H3c; histone cluster 2, H3d histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3d; histone cluster 1, H2d; histone cluster 2, H3a; histone cluster 2, H3a; histone cluster 2, H3d; histone cluster 1, H3j; histone cluster 1, H3h; histone cluster 1, H3d; histone cluster 1, H2ad; histone cluster 2, H3a;	214509_at	HIST2H3D	histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3c;	3.25
214509_at HIST1H3B histone cluster 2, H3c; histone cluster 2, H3d histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H3d; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	214509_at	HIST1H3A	histone cluster 2, H3c; histone cluster 2, H3d histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3c;	3.25
	214509_at	HIST1H3B	histone cluster 2, H3c; histone cluster 2, H3d histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3c; histone cluster 1, H3f; histone cluster 1, H3c;	3.25
	214509_at	HIST1H3C	histone cluster 1, H3b, histone cluster 1, H3a, histone cluster 1, H2ad, histone cluster 2, H3a, histone cluster 2, H3c; histone cluster 2, H3d	

		histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3c; histon	3.25
214509 at	HIST1H3D	histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 2, H3c; histone cluster 2, H3d	
		histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3c; histone cluster 1, H3f; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
214509_at	HIST1H3E	histone cluster 2, H3c; histone cluster 2, H3d	0.05
214509 at	HIST1H3F	histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3e; histone cluster 1, H3d; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a; histone cluster 2, H3c; histone cluster 2, H3d	3.25
	LUCTALIOLI	histone cluster 1, H3j; histone cluster 1, H3i; histone cluster 1, H3h; histone cluster 1, H3g; histone cluster 1, H3f; histone cluster 1, H3c; histone cluster 1, H3b; histone cluster 1, H3a; histone cluster 1, H2ad; histone cluster 2, H3a;	3.25
214509_at 206397_x_at	HIST1H3H GDF1	histone cluster 2, H3c; histone cluster 2, H3d growth differentiation factor 1; LAG1 homolog, ceramide synthase 1	3.25
206397_x_at	Lass1	growth differentiation factor 1; LAG1 homolog, ceramide synthase 1	3.25
221440_s_at	RBBP9	retinoblastoma binding protein 9	3.25
206215_at	OPCML	opioid binding protein/cell adhesion molecule-like	3.25
217023_x_at	Tpsab1	tryptase alpha/beta 1; tryptase beta 2	3.25
217023_x_at	TPSB2	tryptase alpha/beta 1; tryptase beta 2	3.25
	MS4A1	membrane-spanning 4-domains, subfamily A, member 1	3.25
219173_at	Myo15b	myosin XVB pseudogene	3.25
206725_x_at 202444_s_at	BMP1 ERLIN1	bone morphogenetic protein 1	3.25
	ptgds	ER lipid raft associated 1	3.25 3.25
	HPGDS	prostaglandin D2 synthase, hematopoietic; prostaglandin D2 synthase 21kDa (brain) prostaglandin D2 synthase, hematopoietic; prostaglandin D2 synthase 21kDa (brain)	3.25
205735_s_at		AF4/FMR2 family, member 3	3.25
200700_0_0.		similar to Ig heavy chain; immunoglobulin heavy variable 3-13	3.25
217384_x_at	41	Control to by Houry Grain, infinition of God and Houry Fundable of Fo	0.20
217384_x_at	IGHV3-13	similar to Ig heavy chain; immunoglobulin heavy variable 3-13	3.25
220049_s_at	PDCD1LG2	programmed cell death 1 ligand 2	3.25
214070_s_at		ATPase, class V, type 10B	3.25
216849_at		FLJ16124 protein	3.25
215839_at	Lilra5	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5	3.25
221032_s_at	TMPRSS5	transmembrane protease, serine 5	3.25
207777_s_at 220582_at	SP140	SP140 nuclear body protein	3.25
208318_s_at		septin 9 xylulokinase homolog (H. influenzae)	3.25 3.25
205346_at	ST3GAL2	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	3.25
220859_at	ADAM32	ADAM metallopeptidase domain 32	3.25
217472_at	L3mbtl4	I(3)mbt-like 4 (Drosophila)	3.25
214489_at	FSHB	follicle stimulating hormone, beta polypeptide	3.25
216417_x_at	HOXB9	homeobox B9	3.25
221068_at	KANK2	KN motif and ankyrin repeat domains 2	3.25
207520_at	Trove2	TROVE domain family, member 2	3.25
208302_at 220283 at	HMHB1	histocompatibility (minor) HB-1	3.25
	HHIPL2 PTK2B	HHIP-like 2 PTK2B protein tyrosine kinase 2 beta	3.25 3.25
217642_at	RNF40	ring finger protein 40	3.25
205844_at	Vnn1	vanin 1	3.25
207795_s_at	KLRD1	killer cell lectin-like receptor subfamily D, member 1	3.25
213973_at	RRBP1	ribosome binding protein 1 homolog 180kDa (dog)	3.25
216104_at	PHF14	PHD finger protein 14	3.25
	CCDC70	coiled-coil domain containing 70	3.25
209395_at	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein-39)	3.25
209713_s_at 220280_s_at	SLC35D1	solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter),	3.25
LANDARI C St	ANKMY1	ankyrin repeat and MYND domain containing 1	3.25
210054 a at	c19orf50	chromosome 19 open reading frame 50	3.25
218054_s_at	cef1		
218054_s_at 207082_at	csf1 Atp2b3	colony stimulating factor 1 (macrophage) ATPase Ca++ transporting plasma membrane 3	3.25
218054_s_at 207082_at 216312_at	Atp2b3	ATPase, Ca++ transporting, plasma membrane 3	3.25
218054_s_at 207082_at 216312_at 215238_s_at	Atp2b3 dock9	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9	3.25 3.03
218054_s_at 207082_at 216312_at	Atp2b3	ATPase, Ca++ transporting, plasma membrane 3	3.25
218054_s_at 207082_at 216312_at 215238_s_at 211359_s_at 214289_at 210397_at	Atp2b3 dock9 OPRM1 psmb1 DEFB1	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9 opioid receptor, mu 1	3.25 3.03 3.03
218054_s_at 207082_at 216312_at 215238_s_at 211359_s_at 214289_at 210397_at 207328_at	Atp2b3 dock9 OPRM1 psmb1 DEFB1 ALOX15	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9 opioid receptor, mu 1 proteasome (prosome, macropain) subunit, beta type, 1 defensin, beta 1 arachidonate 15-lipoxygenase	3.25 3.03 3.03 3.03 3.03 3.03
218054_s_at 207082_at 216312_at 215238_s_at 211359_s_at 214289_at 210397_at 207328_at 206938_at	Atp2b3 dock9 OPRM1 psmb1 DEFB1 ALOX15 Srd5a2	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9 opioid receptor, mu 1 proteasome (prosome, macropain) subunit, beta type, 1 defensin, beta 1 arachidonate 15-lipoxygenase steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase	3.25 3.03 3.03 3.03 3.03 3.03 3.03
218054_s_at 207082_at 216312_at 215238_s_at 211359_s_at 214289_at 207328_at 207328_at 206938_at 207167_at	Atp2b3 dock9 OPRM1 psmb1 DEFB1 ALOX15 Srd5a2 Cd101	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9 opioid receptor, mu 1 proteasome (prosome, macropain) subunit, beta type, 1 defensin, beta 1 arachidonate 15-lipoxygenase steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase immunoglobulin superfamily, member 2	3.25 3.03 3.03 3.03 3.03 3.03 3.03 3.03 3.0
218054_s_at 207082_at 216312_at 215238_s_at 211359_s_at 214289_at 210397_at 207328_at 206938_at	Atp2b3 dock9 OPRM1 psmb1 DEFB1 ALOX15 Srd5a2	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9 opioid receptor, mu 1 proteasome (prosome, macropain) subunit, beta type, 1 defensin, beta 1 arachidonate 15-lipoxygenase steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase immunoglobulin superfamily, member 2 GTP binding protein 1	3.25 3.03 3.03 3.03 3.03 3.03 3.03 3.03 3.0
218054_s_at 207082_at 216312_at 215238_s_at 211359_s_at 214289_at 207328_at 207328_at 206938_at 207167_at	Atp2b3 dock9 OPRM1 psmb1 DEFB1 ALOX15 Srd5a2 Cd101	ATPase, Ca++ transporting, plasma membrane 3 dedicator of cytokinesis 9 opioid receptor, mu 1 proteasome (prosome, macropain) subunit, beta type, 1 defensin, beta 1 arachidonate 15-lipoxygenase steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase immunoglobulin superfamily, member 2	3.25 3.03 3.03 3.03 3.03 3.03 3.03 3.03 3.0

206720_at	LOC151162	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase; hypothetical	3.03
206720_at	Mgat5	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase; hypothetical	3.03
204869 at	Pcsk2	proprotein convertase subtilisin/kexin type 2	3.03
214763_at	ACOT11	acyl-CoA thioesterase 11	3.03
219583_s_at	SPATA7	spermatogenesis associated 7	3.03
202312_s_at	COL1A1	collagen, type I, alpha 1	3.03
218925_s_at	C11orf1	chromosome 11 open reading frame 1	3.03
207101_at	VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)	3.03
207426_s_at	TNFSF4	tumor necrosis factor (ligand) superfamily, member 4	3.03
215683_at	C18orf22		3.03
220135_s_at		chromosome 18 open reading frame 22	
	Slc7a9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	3.03
207766_at	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	3.03
213482_at	dock3	dedicator of cytokinesis 3	3.03
219232_s_at	egln3	egl nine homolog 3 (C. elegans)	3.03
210708_x_at	casp10	caspase 10, apoptosis-related cysteine peptidase	3.03
211883_x_at	CEACAM1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	3.03
216619_at	GTPBP10	GTP-binding protein 10 (putative)	3.03
210953_at	TSC22D2	TSC22 domain family, member 2	3.03
215014_at	Kcnd3	potassium voltage-gated channel, Shal-related subfamily, member 3	3.03
210451_at	PKLR	pyruvate kinase, liver and RBC	3.03
214936_at	Lrch1	leucine-rich repeats and calponin homology (CH) domain containing 1	3.03
211153_s_at	Tnfsf11	tumor necrosis factor (ligand) superfamily, member 11	3.03
205742 at	TNNI3	troponin I type 3 (cardiac)	3.03
221049_s_at	Poll	polymerase (DNA directed), lambda	3.03
220378 at	Tcp11	t-complex 11 homolog (mouse)	3.03
204770_at	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	3.03
211273_s_at	Tbx1		
	POU5F1P4	T-box 1	3.03
210905_x_at		POU class 5 homeobox 1 pseudogene 4	3.03
220366_at	ELSPBP1	epididymal sperm binding protein 1	3.03
		hypothetical LOC100132472; hypothetical LOC79999; hypothetical LOC388436	3.03
220849_at	72		
220849_at	LOC388436	hypothetical LOC100132472; hypothetical LOC79999; hypothetical LOC388436	3.03
220849_at	LOC79999	hypothetical LOC100132472; hypothetical LOC79999; hypothetical LOC388436	3.03
211741_x_at	PSG3	pregnancy specific beta-1-glycoprotein 3	3.03
214217_at	Grm5	glutamaté receptor, metabotropic 5	3.03
206157_at	Ptx3	pentraxin-related gene, rapidly induced by IL-1 beta	3.03
210620_s_at	GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa	3.03
202191_s_at	gas7	growth arrest-specific 7	3.03
220614_s_at	C6orf103	chromosome 6 open reading frame 103	3.03
214058_at	Mycl1	v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian)	3.03
209245_s_at	Kif1c	kinesin family member 1C	3.03
210456_at	Pcyt1b		
214191_at	lca1	phosphate cytidylyltransferase 1, choline, beta	3.03
		islet cell autoantigen 1, 69kDa	3.03
220277_at	CXXC4	CXXC finger 4	3.03
211506_s_at	IL8	interleukin 8	3.03
221271_at	IL21	interleukin 21	3.03
216329_at	POU6F1	POU class 6 homeobox 1	3.03
222274_at	ZDHHC8P1	zinc finger, DHHC-type containing 8 pseudogene	3.03
216915_s_at	PTPN12	protein tyrosine phosphatase, non-receptor type 12	3.03
217271_at	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	3.03
211307_s_at	Fcar	Fc fragment of IgA, receptor for	3.03
222227_at	GPER	G protein-coupled estrogen receptor 1	3.03
207309_at	NOS1	Initric oxide synthase 1 (neuronal)	3.03
208182_x_at	Ifna14	interferon, alpha 14	3.03
205444_at	ATP2A1	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1	3.03
214105_at	socs3	suppressor of cytokine signaling 3	3.03
211001 at	TRIM29	tripartite motif-containing 29	3.03
219859_at	Clec4e	C-type lectin domain family 4, member E	3.03
219659_at	ATP8A2		
	ZNF117	ATPase, aminophospholipid transporter-like, class I, type 8A, member 2	3.03
207117_at		zinc finger protein 117	3.03
215367_at		IZIA A CA A	0.00
217573_at	KIAA1614	KIAA1614	3.03
	KIAA1614 grin2c	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	3.03
214725_at	KIAA1614 grin2c C8orf84	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84	3.03 3.03
214725_at 207048_at	KIAA1614 grin2c C8orf84 SLC6A11	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11	3.03 3.03 3.03
	KIAA1614 grin2c C8orf84	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84	3.03 3.03
	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11	3.03 3.03 3.03
207048_at 217480_x_at 208390_s_at	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118 GLP1R	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11	3.03 3.03 3.03
207048_at 217480_x_at	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11 immunoglobulin kappa variable 1/OR15-118 pseudogene	3.03 3.03 3.03 3.03
207048_at 217480_x_at 208390_s_at 220805_at	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118 GLP1R HRH2	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11 immunoglobulin kappa variable 1/OR15-118 pseudogene glucagon-like peptide 1 receptor	3.03 3.03 3.03 3.03 3.03
207048_at 217480_x_at 208390_s_at 220805_at 209995_s_at	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118 GLP1R	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11 immunoglobulin kappa variable 1/OR15-118 pseudogene glucagon-like peptide 1 receptor histamine receptor H2 T-cell leukemia/lymphoma 1A	3.03 3.03 3.03 3.03 3.03 3.03 3.03
207048_at 217480_x_at 208390_s_at 220805_at 209995_s_at 211782_at	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118 GLP1R HRH2 TCL1A ids	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11 immunoglobulin kappa variable 1/OR15-118 pseudogene glucagon-like peptide 1 receptor histamine receptor H2 T-cell leukemia/lymphoma 1A iduronate 2-sulfatase	3.03 3.03 3.03 3.03 3.03 3.03 3.03 3.03
207048_at 217480_x_at 208390_s_at 220805_at 209995_s_at	KIAA1614 grin2c C8orf84 SLC6A11 IGKV1OR2- 118 GLP1R HRH2 TCL1A	glutamate receptor, ionotropic, N-methyl D-aspartate 2C chromosome 8 open reading frame 84 solute carrier family 6 (neurotransmitter transporter, GABA), member 11 immunoglobulin kappa variable 1/OR15-118 pseudogene glucagon-like peptide 1 receptor histamine receptor H2 T-cell leukemia/lymphoma 1A	3.03 3.03 3.03 3.03 3.03 3.03 3.03

Appendix 1; Table 1

207316_at	has1	hyaluronan synthase 1	3.03
		suppressor of Ty 3 homolog (S. cerevisiae)	3.03
220891_at		chromosome 4 open reading frame 23	3.03
218162_at	OLFML3	olfactomedin-like 3	3.03
	LOC1001265	hypothetical LOC100126583	3.03
211650_x_at	83		
218825_at	egfl7	EGF-like-domain, multiple 7	3.03
217413_s_at	TNXB	tenascin XB; tenascin XA pseudogene	3.03
217413_s_at	TNXA	tenascin XB; tenascin XA pseudogene	3.03
207929_at		gastrin-releasing peptide receptor	3.03
1438_at		EPH receptor B3	3.03
222196_at		hypothetical protein LOC286434	3.03
204196_x_at	Pknox1	PBX/knotted 1 homeobox 1	3.03
214389_at	SLC5A12	solute carrier family 5 (sodium/glucose cotransporter), member 12	3.03
205915_x_at	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	3.03
222124_at	HIF3A	hypoxia inducible factor 3, alpha subunit	3.03
203032_s_at	FH	fumarate hydratase	3.03
206236_at	Gpr4	G protein-coupled receptor 4	3.03
213335_s_at	ST3GAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	3.03